I 72 12/3-4: 91-0030

Pacific Outer Continental Shelf

MMS 91-0030

April 1991

Environmental Studies Contract and Report Index

Environmental Studies Program

U.S. Department of the Interior
Minerals Management Service
Pacific OCS Region

COMPLETED

Pacific Outer Continental Shelf

OCS Statistical Report
MMS 91-0030

April 1991

Environmental Studies Contract and Report Index

Offshore Environmental Studies Program

Compiled by Joann Golden
Technical Information Specialist
Environmental Studies Section
Pacific OCS Region

U. S. Department of the Interior
Minerals Management Service
Pacific OCS Region
Environmental Studies Section
770 Paseo Camarillo
Camarillo, CA 93010

U.S. Department of the Interior
Minerals Management Service

BLANK PAGE

Disclaimer

"This report has been reviewed for technical accuracy. It is, however, exempt from Minerals Management Service editorial review. The statistical information contained in the Index was gathered from contractual and in-house publications. Mention of trade names or commercial products does not constitute endorsement or recommendations for use. This report has not been edited for conformity with Minerals Management Service editorial standards. All efforts were made to follow MMS publication guidelines."

BLANK PAGE

TABLE OF CONTENTS

PAGE

Introduction 1

Contract and Report Format 3

California, Oregon and Washington Studies by Discipline

1. Air Quality 5
2. Baseline 17
3. Biology and Ecology 23
4. Marine Mammals, Seabirds, and Protected Species 37
5. Pollutant Fate and Effects 51
6. Geology 59
7. Physical Oceanography and Meteorology 63
8. Program Support and Information Management 79
9. Social Sciences and Economics 85
10. Other Reports 95
11. Pacific OCS Region Studies Identified by Planning Area(s)*

    Washington-Oregon Planning Area 101
    Northern California Planning Area 105
    Central California Planning Area 109
    Southern California Planning Area 113

12. Information Services (address/contact for availability of reports)..... 117
13. Pacific OCS Region Depository Libraries 119

List of Figures

Figure 1. Pacific OCS Region Planning Areas..... 99

* Studies may be listed more than once if applicable to two or more planning areas.

Introduction

The following material is an index of past and current contracts/studies and their reports produced through the Minerals Management Service (MMS) Environmental Studies Program in the Pacific Outer Continental Shelf (OCS) Region. Many of these contracts/studies are specific to one or more Pacific OCS Region Planning Areas (Northern, Central and Southern California, and Washington-Oregon), while a few are "national contracts/studies" with results applicable to all OCS Regions. This index provides interested parties with a quick reference to Pacific OCS Region environmental contracts/studies by discipline topic, contract number and planning area.

Information is also provided on report availability. In most cases, reports can be obtained through the MMS Depository Library network (see Section 13) and/or through the National Technical Information Service (NTIS [see Section 12]). Most reports are available for review at the Pacific OCS Region office.

A limited number of current reports are available without cost from the Pacific OCS Region for a period of one year from the announcement of the report on a first come basis. For more information on report availability, please call Ms. Rochelle Hooks, Secretary, Environmental Studies Section at (805) 389-7851.

The Branch of Environmental Studies, Headquarters, has contracted many studies which are applicable to Pacific OCS Region Planning Areas not listed in this index. To obtain a list of these studies, please contact: U.S. Department of Interior, Minerals Management Service, Branch of Environmental Studies, MS 644, Parkway Atrium Building, 381 Elden St., Herndon, VA 22070-4817.

An update of the index will be issued at the end of each year from date of printing. Information on the status of contracts may also be found in the Environmental Studies Section's Quarterly Report.

If readers have any questions regarding this index, please contact Joann Golden, Technical Information Specialist, Environmental Studies Section, Pacific OCS Region, 770 Paseo Camarillo, Camarillo, CA 93010 or (805) 389-7854.

BLANK PAGE

Contract and Report Format

The Pacific OCS Region Studies Program was initiated in 1974 under the Bureau of Land Management (BLM). In May 1982, all active contracts were administered within the Minerals Management Service (MMS).

Listed below is a format description for each completed or active study supported by the Pacific OCS Region.

Each study is issued as a Contract (CT), Interagency Agreement (IA), Memorandum of Understanding (MU), Cooperative Agreement (CA), or MMS Contract Number. Cts/Ias/Mus/Cas issued under the Bureau of Land Management are identified by the specific contract awarded in a given fiscal year (e.g., CT8-46 is the 46th contract awarded in FY 1978 by BLM; CT1-46 is the 46th contract awarded in FY 1981 by BLM). All MMS contracts in this Index have a specific 5-character number identification (e.g., 30025). For convenience the 8-character (MMS) prefix code (14-12-0001) has not been used when studies are referred to in this index. Contracts awarded under the BLM and still active in May 1982 have dual designations (e.g., CT1-39; 29188).

CONTRACT NO.:	Lists the appropriate number before each contract/ study identified.
CONTRACT TITLE:	Lists the initial contract or program title. This often differs from the final report title.
REPORT(S):	Lists contractual reports produced by the contractor or other parties in conjunction with the above contract or program.
AWARD DATE:	Lists the date of contract award and identifies whether complete or active.
TOTAL COST:	Lists cost of the contract.
PLANNING AREA(S):	Lists appropriate area(s) of contract and report(s). Studies are also indexed by planning area(s).
PROGRAM MANAGER(S):	Lists the administrative head or principal scientist for the study. Unless otherwise noted, affiliation is with the prime contractor.
AFFILIATION:	Lists the name and address of the Program Manager as stated in the contract.
COTR:	Lists the BLM/MMS Contracting Officer's Technical Representative responsible for the technical monitoring of the study. Where applicable, other COTRs are included.
AVAILABILITY:	Lists sources of the study reports, including the National Technical Information Service (NTIS), the NTIS No.; depository libraries; and/or Pacific OCS Region (loan or reading copy). Reference numbers for final reports or special cases are noted.
OTHER PUBLICATIONS:	Lists publications and related material making use of study data. These often represent individual efforts of the authors to further elaborate on results obtained under the BLM/MMS contract.

The reports and publications listed within this document are a compilation of information produced from outside contracts and in-house publications.

BLANK PAGE

1. Air Quality

CONTRACT NO.: CT7-18

CONTRACT TITLE: Southern California Bight Air Quality Modeling

REPORT(S): AeroVironment, Inc. 1977. Air Quality Analysis of the Southern California Bight in Relation to Potential Impact of Offshore Oil and Gas Development. AeroVironment, Inc. Technical Report, Vol. I. 450 pp. Literature Survey, 211 pp. AV-FR 7112. (NTIS No. PB279088/9)
AeroVironment, Inc. 1977. Air Quality Analysis of the Southern California Bight in Relation to Potential Impact of Offshore Oil and Gas Development. AeroVironment, Inc. Executive Summary. Report AV-FR 7125, 16 pp.
AeroVironment, Inc. 1977. Air Quality Analysis of the Southern California Bight in Relation to Potential Impact of Offshore Oil and Gas Development. AeroVironment, Inc. AV-FR 7112. EIS Sections. 96 pp.

AWARD DATE: 04/77 (complete)
TOTAL COST: $131,832
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Mr. Michael Chan
AFFILIATION: AeroVironment, Inc., Pasadena, CA
COTR: Mr. Thomas Cooke
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT8-50: 29086

CONTRACT TITLE: Southern California Air Quality Assistance, Lease Sale No. 48

REPORT(S): AeroVironment Inc. 1978. Southern California Air Quality. EIS Sections, Lease Sale No. 48.

AWARD DATE: 09/78 (complete)
TOTAL COST: $34,265
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Unknown
AFFILIATION: AeroVironment, Inc., Pasadena, CA
COTR: Unknown
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT9-23

CONTRACT TITLE: Air Quality Analysis in Relation to Potential OCS Oil and Gas Development off Central and Northern California

REPORT(S): Environmental Resources Group. 1980. Air Quality Analysis of the Potential Impact of Offshore Oil and Gas Development in Central and Northern California. Executive Summary. Environmental Resources Group, Los Angeles, CA. Vol. I. 41 pp. (NTIS No. PB82106352)

Environmental Resources Group. 1980. Air Quality Analysis of the Potential Impact of Offshore Oil and Gas Development in Central and Northern California. Technical Analysis. Environmental Resources Group, Los Angeles, CA. Vol. II. 344 pp. plus appendices. (NTIS No. PB82106360)

Environmental Resources Group. 1980. Air Quality Analysis of the Potential Impact of Offshore Oil and Gas Development in Central and Northern California. Supplement. Environmental Resources Group, Los Angeles, CA. Vol. III. 81 pp. (NTIS No. PB82106378)

AWARD DATE: 08/79 (complete)
TOTAL COST: $170,575
PLANNING AREA(S): Northern and Central California
PROGRAM MANAGER(S): Dr. Steve Kahane
AFFILIATION: Environmental Resources Group, Los Angeles, CA
COTR: Mr. Kevin Golden
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: IAO-43; 29018

CONTRACT TITLE: Offshore Meteorological Tracer Measurements

REPORT(S): Schacher, G.E., K.L. Davidson, C.A. Leonard, D.E. Spiel, and C.W. Fairall. 1981. Offshore Transport and Diffusion in the Los Angeles Bight. NPS Data Summary. Naval Postgraduate School, Monterey, CA. NPS-61-81-004. Vol. I. 57 pp.

Schacher, G.E., K.L. Davidson, C.A. Leonard, D.E. Spiel, and C.W. Fairall. 1981. Offshore Transport and Diffusion in the Los Angeles Bight. NPS Data Summary. Naval Postgraduate School, Monterey, CA. NPS-61-81-025. Vol. II. 109 pp.

Schacher, G.E., K.L. Davidson, C.A. Leonard, D.E. Spiel, and C.W. Fairall. 1982. Comparison of

Overwater Stability Classification Schemes With Measured Wind Direction Variability: Offshore Transport and Diffusion in the Los Angeles Bight. Naval Postgraduate School, Monterey, CA. NPS-61-82-002. 58 pp.

AWARD DATE: 07/80 (complete)
TOTAL COST: $65,064
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Dr. Gordon Schacher
AFFILIATION: Naval Postgraduate School, Monterey, CA
COTR: Mr. Dirk Herkhof
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CTO-56; 29101

CONTRACT TITLE: Southern California Air Quality Model Validation Study

REPORT(S):

AeroVironment, Inc. 1981. Southern California Offshore Air Quality Model Validation Study. Executive Summary. AeroVironment, Inc. Report AV-FR-81/599. Vol. I. 7 pp. (NTIS No. PB82190710)

AeroVironment, Inc. 1981. Southern California Offshore Air Quality Model Validation Study. Synthesis of Findings. AeroVironment, Inc. Report AV-FR-81/599. Vol. II. 153 pp. (NTIS No. PB82190729)

AeroVironment, Inc. 1981. Data Submission for Offshore Tracer Study in Ventura County. AeroVironment, Inc. Tracer Gas and Meteorological Data (DP-80-056), Vol. I. 227 pp.; Doppler Acoustic Radar Data (DO-81-008), Vol. II. 320 pp. (NTIS No. PB83149344)

AWARD DATE: 08/80 (complete)
TOTAL COST: $270,724
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Messrs. P. Zannetti and David Wilbur
AFFILIATION: AeroVironment, Inc., Pasadena, CA
COTR: Mr. Kevin Golden
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CTO-64; 29020

CONTRACT TITLE: Southern California Air Quality Trajectory Model Study

REPORT(S): Environmental Resources Group. 1981. Air Quality Analysis of the Potential Impact of OCS Lease Sale No. 68, Offshore Southern California. Executive Summary. Environmental Resources Group, Los Angeles, CA. Year 1. Vol. I. 35 pp. (NTIS No. PB82139510)

Environmental Resources Group. 1981. Air Quality Analysis of the Potential Impact of OCS Lease Sale No. 68, Offshore Southern California. Supplement. Environmental Resources Group, Los Angeles, CA. Year 2. Vol. I. 22 pp. (NTIS No. PB82139528) POCS Technical Paper 81-7.

AWARD DATE: 09/80 (complete)
TOTAL COST: $174,548
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Dr. Steve Kahane
AFFILIATION: Environmental Resources Group, Los Angeles, CA
COTR: Mr. Kevin Golden
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT1-44; 29110

CONTRACT TITLE: Air Quality Trajectory Modeling for OCS Lease Sales 73 and 80

REPORT(S): Rastegar, H. (Manager). 1983. A Handbook for Estimating the Potential Air Quality Impacts Associated with Oil and Gas Development Offshore California. Form and Substance, Inc. 590 pp.

Rastegar, H. (Manager). 1983. Air Quality Impact of the Proposed Southern California OCS Lease Offering in 1984. Executive Summary. Form & Substance, Inc. 343 pp. POCS Technical Paper No. 83-8.

Rastegar, H. (Manager). 1983. Air Quality Impacts of Proposed OCS Sale No. 73 Offshore Central California. Executive Summary. Form & Substance, Inc. 343 pp. POCS Technical Paper No. 83-2.

AWARD DATE: 05/81 (complete)
TOTAL COST: $320,468
PLANNING AREA(S): Central and Southern California
PROGRAM MANAGER(S): Dr. Hamid Rastegar

AFFILIATION: Form & Substance, Inc., Westlake Village, CA
SUBCONTRACTOR(S): Jacobs Engineering Group, Inc.
COTR: Mr. Dirk Herkhof
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: IA2-01; 29025

CONTRACT TITLE: Central California Air Quality Model Validation Study

REPORT(S): U.S. Naval Postgraduate School. 1981. California Coastal Offshore Transport and Diffusion Experiments - Meteorological Conditions and Data. 283 pp. (Ship support for Contract No. CT2-6; 29114)

AWARD DATE: 10/81 (complete)
TOTAL COST: $95,195
PLANNING AREA(S): Central and Southern California
PROGRAM MANAGER(S): Dr. Gordon Schacher
AFFILIATION: U.S. Naval Postgraduate School, Monterey, CA
COTR: Messrs. Martin Golden and Dirk Herkhof
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT2-06; 29114

CONTRACT TITLE: Central California Air Quality Model Validation Study

REPORT(S): Dabberdt, W.F., W.B. Johnson, R. Brodzinsky, and R.E. Reff. 1983. Central California Coastal Air Quality Model Validation Study: Data Analysis and Model Evaluation. SRI International, Menlo Park, CA. SRI Project 3868. OCS Study MMS 84-0055. 292 pp. plus appendices. (NTIS No. PB89192991)

Brodzinsky, R., W.B. Johnson, B.K. Cantrell, J.D. Lee, and R.E. Stiles. 1982. Central California Coastal Air Quality Model Validation Study: Data Compilation for the December 1981 Field Experiment. SRI International, Menlo Park, CA. SRI Project 3868. Discrete Tracer Gas Concentration and Meteorological Data. Vol. 1. 285 pp.; Continuous Gas Concentration. Vol. 2. 466 pp.

Brodzinsky, R., W.B. Johnson, B.K. Cantrell, L. Jones, and R.E. Stiles. 1982. Central California Coastal Air Quality Model Validation

Study: Data Compilation for the June 1982 Field Experiment. 1982. SRI International, Menlo Park, CA. SRI Project 3868. Meteorological Data and Tracer Gas Concentration Data from Beach Samplers and Secondary Aircraft. Vol. 1. 551 pp.; Continuous Tracer Gas Concentration Data from Primary Aircraft and Mobile Van. 1086 pp.

AWARD DATE: 11/81 (complete)
TOTAL COST: $468,058
PLANNING AREA(S): Central California
PROGRAM MANAGER(S): Dr. Warren B. Johnson
AFFILIATION: SRI International, Menlo Park, CA; North America Weather
SUBCONTRACTOR(S): Consultants (NAWC); Brookhaven National Laboratory (BNL)
COTR: Messrs. Martin Golden and Dirk Herkhof
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30127

CONTRACT TITLE: Air Quality Modeling for California OCS Lease Sales

REPORT(S): U.S. Department of the Interior. 1987. Air Quality Impact of the Proposed OCS Lease Sale No. 91 Offshore Northern California. OCS Study MMS 87-0063. 433 pp.

AWARD DATE: 07/84 (active)
TOTAL COST: $441,329
PLANNING AREA(S): Northern and Southern California
PROGRAM MANAGER(S): Mr. James Goepel
AFFILIATION: Jacobs Engineering Group, Inc., Pasadena, CA
SUBCONTRACTOR(S): Applied Modeling, Inc.
COTR: Mr. Dirk Herkhof
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30261

CONTRACT TITLE: Operation of a Portable Remote Observation of the Environment (PROBE) Station Network

REPORT(S): Information on Magnetic tape (see Contract No. 30302)

AWARD DATE: 09/85 (complete)
TOTAL COST: $20,761

PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Mr. Dean Newkirk
AFFILIATION: Bureau of Reclamation, USDOI
COTR: Mr. Dirk Herkhof
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Lev-On, M., M. Makl, D.B. Gemmill, and F.W. Doerfler. 1986. SCCCAMP Aerometric Monitoring and PROBE Networks. Summary of Network Operations. Vol. I. 171 pp. Data Summaries. Vol. II. 373 pp. EMSI Report No. EMSI-1307.DFR. Environmental Monitoring & Services, Inc., Thousand Oaks, CA.

CONTRACT NO.: 30277

CONTRACT TITLE: South Central Coast Cooperative Aerometric Monitoring Program - Operation of a Dual-Doppler Radar System

REPORT(S): Information on magnetic tape (see Contract No. 30302)

AWARD DATE: 08/85 (complete)
TOTAL COST: $192,500
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Mr. Bob Kropfli
AFFILIATION: NOAA, Wave Propagation Laboratory, Boulder, CO
COTR: Mr. Dirk Herkhof
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Kropfli, R. 1986. Airflow Characteristics in the Marine Boundary Layer Over the Santa Barbara Channel During SCCCAMP: Part 1. Summary of Dual-Doppler Radar Observations. National Oceanic Atmospheric Administration (NOAA) Technical Memorandum ERL WPL-141. NOAA, Wave Propagation Laboratory, Boulder, CO.

Kropfli, R. 1986. Characteristics of Terrain-forced Eddies in the Marine Planetary Boundary Layer Dual Doppler Radar Observations and a Mesoscale Numerical Model. Presentation at the 23rd Conference on Radar Meteorology and Conference on Cloud Physics. National Oceanic Atmospheric Administration (NOAA).

Kropfli, R., et al. 1987. Two Dimensional Flows Over the Santa Barbara Channel Measured by Dual-Doppler Radar During SCCCAMP. Presentation at the 80th Annual Meeting of APCA on June 21-26, 1987 in New York, NY.

Kropfli, R., et al. 1988. Characteristics of Atmospheric Boundary Layer Eddies in the Santa Barbara Channel During SCCCAMP. Presentation at

the 4th Conference of Meteorology and Oceanography of the Coastal Zone on February 3-5, 1988 in Anaheim, CA.

CONTRACT NO.: 30302

CONTRACT TITLE: Production of a Data Archive for the South Central Coast Cooperative Aerometric Monitoring Program (SCCCAMP)

REPORT(S): Endlich, R.M., A.P. Valdes, and W. Viezee. 1987. User's Guide to the Data Archive for the South Central Coast Cooperative Aerometric Monitoring Program (SCCCAMP). SRI International, Menlo Park, CA. OCS Study MMS 87-0088. 86 pp.

McElroy, J.L., et al. 1988. Airborne Downward-Looking Lidar Measurements During the South Central Coast Cooperative Aerometric Monitoring Program. SRI Project 2732. SRI International, Menlo Park, CA. OCS Study MMS 88-0008. 232 pp.

Viezee, W., R.M. Endlich, and J. Kealoha. 1987. Auxiliary Data Volume for the 1985 SCCCAMP Meteorological and Air Quality Archive. SRI International, Menlo Park, CA. OCS Study MMS 87-0087. 323 pp.

Data archive on magnetic tape

AWARD DATE: 09/86 (active)
TOTAL COST: $358,999
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Mr. Roy Endlich
AFFILIATION: SRI International, Menlo Park, CA
COTR: Mr. Dirk Herkhof
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Dabberdt, W.F. and W. Viezee. 1987. South Central Coast Cooperative Aerometric Monitoring Program (SCCCAMP). Bulletin of American Meteorological Society 68:1098-1110.

CONTRACT NO.: 30329

CONTRACT TITLE: South Central Coast Cooperative Aerometric Monitoring Program (SCCCAMP) Data Analysis

REPORT(S): Baxter, R.A., M. Podrez, M. Myers, and M. Gerhard. 1989. Mixing Height Analysis of Data Collected During the SCCCAMP 1985 Intensive Measurement Periods. Sigma Research Corporation, Westford, MA.

OCS Study MMS 89-0036. 188 pp. (NTIS No. PB90263393)

Baxter, R.A., T.J. Lockhart, and D.G. Strimaitis. 1989. Assessment of Uncertainties in the Data Collected in the SCCCAMP 1985 Field Study. Sigma Research Corporation, Westford, MA. OCS Study MMS 89-0037. 180 pp. (NTIS No. PB90263401)

Douglas, S.G. and R.C. Kessler. 1989. User's Guide to the Interactive Wind Analyzer. Sigma Research Corporation, Westford, MA. OCS Study MMS 89-0045. 55 pp. (NTIS No. PB90263419)

Hanna, S.R., J.S. Scire, D.G. Strimaitis, R.C. Kessler, and G.E. Moore. 1989. SCCCAMP 1985 Data Analysis: Overview and Discussion of Case Studies. Sigma Research Corporation, Westford, MA. OCS Study MMS 89-0056. 164 pp. (NTIS No. PB90263450)

Kessler, R.C., L.L. Schulman, S.G. Douglas, and E.L. Hovind. 1988. Analysis of Wind Fields for the SCCCAMP 1985 Intensive Measurement Periods. Sigma Research Corporation, Westford, MA. OCS Study MMS 89-0034. 194 pp. plus appendices A-D. 836 pp. (NTIS No. PB90263377)

Kessler, R.C. and S.G. Douglas. 1989. Numerical Simulation of Mesoscale Airflow in the South Central Coast Air Basin. Sigma Research Corporation, Westford, MA. OCS Study MMS 89-0046. 334 pp. 739 pp. (NTIS No. PB90263427)

Moore, G.E., G.Z. Whitten, J.P. Killus, and R.D. Stevens. 1989. Analysis of Air Quality and Air Chemistry Data Collected During the SCCCAMP 1985 Field Study. Sigma Research Corporation, Westford, MA. OCS Study MMS 89-0048. 430 pp. plus appendices A-F. 739 pp. (NTIS No. PB90263443)

Reynolds, S.D. and T.C. Myers. 1989. Frequency Distributions of Meteorological Variables During the SCCCAMP 1985 Field Study. Sigma Research Corporation, Westford, MA. OCS Study MMS 89-0047. 157 pp. (NTIS No. PB90263435)

Scire, J.S., S.R. Hanna, D.J. Murphy, and J. Chang. 1989. Characterization of Historical Ozone Episodes and Comparison with the SCCCAMP 1985 Field Study. Sigma Research Corporation, Westford, MA. OCS Study MMS 89-0035. 221 pp. (NTIS No. PB90263385)

Strimaitis, D.G., G.E. Moore, and S.G. Douglas. 1989. Analysis of Tracer Data Collected During the SCCCAMP 1985 Intensive Measurement Periods. Sigma Research Corporation, Westford, MA.

OCS Study MMS 89-0020. 189 pp. plus appendices 58 pp. (NTIS No. PB90263369)

AWARD DATE: 09/86 (complete)
TOTAL COST: $981,715
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Dr. Steven R. Hanna
AFFILIATION: Sigma Research Corporation, Westford, MA
SUBCONTRACTOR(S): Systems Applications, Inc.; AeroVironment, Inc.
COTR: Mr. Dirk Herkhof
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Chico, T.R. 1987. Dynamic Bibliography for the South Central Coast Cooperative Aerometric Monitoring Program (SCCCAMP). MMS, Pacific OCS Region, Los Angeles, CA.

CONTRACT NO.: 30400

CONTRACT TITLE: Photochemical Model Evaluation and Performance for the Santa Barbara County State Implementation Plan

REPORT(S): Tesche, T.W. 1988. Photochemical Modeling of 1984 SCCCAMP Oxidant Episodes: Protocol for Model Selection, Adaptation, and Performance Evaluation. Radian Corporation, Sacramento, Ca. Vol. I. 134 pp.
Tesche, T.W., J.G. Wilkinson, D.E. McNally, R. Kapahi, and W.R. Oliver. 1988. Photochemical Modeling of Two SCCCAMP 1984 Oxidant Episodes: Volume II -- Modeling Procedures and Evaluation Results. Radian Corporation, Sacramento, CA. Vol. II. 448 pp.

AWARD DATE: 07/87 (complete)
TOTAL COST: $50,000
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Dr. Thomas W. Tesche
AFFILIATION: Interagency Agreement with U.S. Environmental Protection Agency, Region IX through its contract with Engineering Science/Radian
COTR: Mr. Tom Chico
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30415

CONTRACT TITLE:	Photochemical Model Evaluation
REPORT(S):	Active contract
AWARD DATE:	09/88 (active)
TOTAL COST:	$163,479
PLANNING AREA(S):	Southern California
PROGRAM MANAGER(S):	Dr. Gary Whitten
AFFILIATION:	Systems Applications, Inc., San Raphael, CA
SUBCONTRACTOR(S):	Radian Corporation
COTR:	Mr. Robert Peace
AVAILABILITY:	Active contract
OTHER PUBLICATIONS:	None

CONTRACT NO.: 30428

CONTRACT TITLE:	Fugitive Hydrocarbon Emissions from Pacific OCS Facilities
REPORT(S):	Active contract
AWARD DATE:	01/89 (active)
TOTAL COST:	$782,853
PLANNING AREA(S):	Southern California
PROGRAM MANAGER(S):	Mr. Richard Countess
AFFILIATION:	C-E Environmental, Inc.
SUBCONTRACTOR(S):	Kaman Sciences Corporation
COTR:	Mr. Dirk Herkhof
AVAILABILITY:	Active contract
OTHER PUBLICATIONS:	None

BLANK PAGE

2. Baseline

CONTRACT NO.: CT5-52; 29079

CONTRACT TITLE: Southern California Bight Baseline, Year One

REPORT(S):

Benson, A.A., R.W. Rigebroogh, A.L. Burlingame, C.N. Kenyon, B.J. Kimble, J. Mieki, and M.L. Moberg. 1978. (1975-76). Southern California Baseline Study and Analysis. Hydrocarbon Analyses. Science Applications, Inc., La Jolla, CA. Vol. III. Sections 3.3-3.6. 333 pp. (NTIS No. PB83174847) Book 9 of 10.

Callahan, R.A. 1978. (1975-76). Southern California Baseline Study and Analysis. Benthic Sediment Collecting Techniques, and Sediment Characterization and Analysis. Science Applications, Inc., La Jolla, CA. Vol. III. Sections 1.1 and 1.2. 162 pp. (NTIS No. PB80218001) Book 2 of 10.

Callahan, R.A. 1978. (1975-76). Southern California Baseline Study and Analysis. Mussel Community Study, Sandy Beach and Slough Habitat. Science Applications, Inc., La Jolla, CA. Vol. III. Sections 2.2 and 2.3. 250 pp. plus appendices (NTIS No. PB80218035) Book 5 of 10.

Callahan, R.A. 1978. (1975-76). Southern California Baseline Study and Analysis. Hydrocarbon Analyses and Physical Oceanography. Science Applications, Inc., La Jolla, CA. Vol. III. Sections 3.1, 3.2.1-3.2.4. 526 pp. (NTIS No. PB83174839) Book 8 of 10.

Fauchaud, K., G. Jones, and R. Douglas. 1978. (1975-76). Southern California Baseline Study and Analysis. Benthic Macrofauna and Microfauna Studies. Science Applications, Inc., La Jolla, CA. Vol. III. Sections 2.4 and 2.5. 546 pp. (NTIS No. PB83149799) Book 6 of 10.

Hodden, O.T., and M.R. Mill. 1978. (1975-76). Southern California Baseline Study and Analysis. Kelp Bed Mapping Studies. Science Applications, Inc., La Jolla, CA. Vol. III. Section 2.6. 261 pp. (NTIS No. PB83174821) Book 7 of 10.

Littler M.M. 1978. (1975-76). Southern California Baseline Study and Analysis, Rocky Intertidal Studies. Science Applications, Inc., La Jolla, CA. Vol. III. Section 2.1 (Chapters 1-6). pp. 1-696. (NTIS No. PB80218019) Book 3 of 10.

Littler M.M. 1978. (1975-76). Southern California Baseline Study and Analysis. 1978. Rocky

Intertidal Studies. Science Applications, Inc., La Jolla, CA. Vol. III. Section 2.1 (Chapters 7-12). pp. 697-1025 (NTIS No. PB80218027) Book 4 of 10.

Science Applications, Inc. 1978. (1975-76). Southern California Baseline Study, Intertidal and Benthic, 1975-1976. Sediments Physical Oceanography and Trace Metals. Science Applications, Inc., La Jolla, CA. Vol. III. Sections 4.1-4.4. 292 pp.

Science Applications, Inc. 1978. (1975-76). Southern California Baseline Study, Intertidal and Benthic, 1975-1976. Data Management and Data Synthesis. Science Applications, Inc., La Jolla, CA. Vol. III. Sections 5.1 and 5.2. 76 pp.

Shokes, R.F. and R.A. Callahan. 1978. (1975-76). Year I. Southern California Baseline Study and Analysis. Executive Summary. Science Applications, Inc., La Jolla, CA. Vol. I. 35 pp. (NTIS No. PB290739/2)

Shokes, R.F. and R.A. Callahan. 1978. (1975-76). Year I. Southern California Baseline Study and Analysis. Integrated Summary Report. Science Applications, Inc., La Jolla, CA. Vol. II. 439 pp. (NTIS No. PB290739/2)

AWARD DATE: 06/75 (complete)
TOTAL COST: $3,930,264
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Dr. Richard Callahan
AFFILIATION: Science Applications, Inc., La Jolla, CA
COTR: Dr. Donald Keene
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT6-40; 29080

CONTRACT TITLE: Southern California Bight Intertidal Baseline Survey, Year Two

REPORT(S):

Burlingame, A.L. 1978. (1976-77). Year II. Intertidal Study of the Southern California Bight. Hydrocarbon Analysis of Intertidal Flora/Fauna and GC/GCMS Analyses. Science Applications, Inc., La Jolla, CA. Vol. III. Sections 2.4 and 2.5. 237 pp. (NTIS No. PB300351/4)

Chow, T., O. Holm-Hansen, and V. Orphan. 1978. (1976-77). Year II. Intertidal Study of the Southern California Bight. Trace Metal Analyses of Sediment and Biota, Microbial Biomass, and Master Bibliography. Science Applications, Inc., La

Jolla, CA. Vol. III. Sections 3.1-4.1. and 4.2. 34 pp. (NTIS No. PB300352/2)

Hodder, D., R. Kanter, M. Mel and D. Straughan. 1978. (1976-77). Year II. Intertidal Study of the Southern California Bight. Mussel Community, Sandy Beaches and Kelp Survey. Science Applications, Inc., La Jolla, CA. Vol. III. Sections 1.2-1.4. 458 pp. (NTIS No. PB300348/0)

Kaplan, I.R., M.L. Moberg and G.F. Gould. 1978. (1976-77). Year II. Intertidal Study of the Southern California Bight. Hydrocarbon Sediment Analysis. Science Applications, Inc., La Jolla, CA. Vol. III. Sections 2.1 and 2.2. 228 pp. (NTIS No. PB300349/8)

Lippincott, W.H. 1978. (1976-77). Intertidal Study of the Southern California Bight. Science Applications, Inc., La Jolla, CA. Vol. I. Executive Summary. Vol. II. Syntheses and Summary. 299 pp. (NTIS No. PB290740/0)

Littler, M.M. (Editor) 1978. (1976-77). Year II. Intertidal Study of the Southern California Bight. Rocky Intertidal Community Studies. Science Applications, Inc., La Jolla, CA. Vol. III. Sections 1.1.1-1.1.7. 433 pp. (NTIS No. PB300344/9)

Littler, M.M. (Editor) 1978. (1976-77). Year II. Intertidal Study of the Southern California Bight. Rocky Intertidal Community Studies. Science Applications, Inc., La Jolla, CA. Vol. III. Sections 1.1.8-1.1.13. 482 pp. (NTIS No. PB300345/6)

Littler, M.M. (Editor) 1978. (1976-77). Year II. Intertidal Study of the Southern California Bight. Rocky Intertidal Community Studies. Science Applications, Inc., La Jolla, CA. Vol. III. Sections 1.1.14-1.1.17. 175 pp. (NTIS No. PB300346/4)

Littler, M.M. (Editor) 1978. (1976-77). Year II. Intertidal Study of the Southern California Bight. Rocky Intertidal Community Studies. Science Applications, Inc., La Jolla, CA. Vol. III. Sections 1.1.18-1.1.22. 386 pp. (NTIS No. PB300347/2)

Mishuck, E. 1979. (1976-77). Year II. Benthic Program. Southern California OCS Environmental Baseline Study. Chemical Pollutant Flux. Science Applications, Inc., La Jolla, CA. Vol. II. Series 1, Reports 1-17. (NTIS No. PB80166093)

Mishuck, E. 1979. (1976-77). Year II. Benthic Program. Southern California OCS Environmental Baseline Study. Chemical Pollutant Flux. Science

Applications, Inc., La Jolla, CA. Vol. II. Series 2, Reports 18-24. 655 pp. (NTIS No. PB80166101)
Mishuck, E. 1979. (1976-77). Year II. Benthic Program. Southern California OCS Environmental Baseline Study. Methodology Review. Science Applications, Inc., La Jolla, CA. Vol. III. 181 pp. (NTIS No. PB80166119)
Mishuck, E. 1979. (1976-77). Year II. Benthic Program. Southern California OCS Environmental Baseline Study. Data Reports. Science Applications, Inc., La Jolla, CA. Vol. IV. Series 1, Reports 1-17. (NTIS No. PB80166127)
Mishuck, E. 1979. (1976-77). Year II. Benthic Program. Southern California OCS Environmental Baseline Study. Data Reports. Science Applications, Inc., La Jolla, CA. Vol. IV. Series 2, Reports 18-24. 181 pp. (NTIS No. PB80166135)
Science Applications, Inc., 1978. (1976-77). Year II. Intertidal Study of the Southern California Bight. Hydrocarbon Analysis of Intertidal/Subtidal Organisms. Science Applications, Inc., La Jolla, CA. Vol. III. Section 2.3. 610 pp. (NTIS No. PB300350/6)

AWARD DATE: 07/76 (complete)
TOTAL COST: $6,237,532
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Mr. Eli Mishuck and Drs. Robert Shokes and William Lippincott
AFFILIATION: Science Applications, Inc., La Jolla, CA
COTR: Dr. N. Jay Bassin, and Messrs. John Lane and Martin Golden
AVAILABILITY: NTIS, Pacific OCS Region (reading copy) (journal articles unavailable)
OTHER PUBLICATIONS:

Bakus, G.J., and K.D. Green. 1987. The Distribution of Marine Sponges Collected from the 1976 1978 Bureau of Land Management Southern California Bight Program. Bulletin of Southern Academy of Science 86(2):57-88
Lewbel, G.S., A. Wolfson, T. Gerrodette, W.H. Lippincott, J.L. Wilson, and M.M. Littler. 1981. Shallow Water Benthic Communities on California's Outer Continental Shelf. Marine Ecology - Progress Series, 4:159-168.
Littler, M.M., D.R. Martz, and D.S. Littler. 1983. Effects of Recurrent Sand Deposition on Rocky Intertidal Organisms: Importance of Substrate Heterogeneity in a Fluctuating Environment. Marine Ecology - Progress Series, 2:239-139.
Littler, M.M., and D.S. Little. 1984. Relationships between Macroalgal Functional Groups and Substrata

Stability in a Subtropical Rocky-Intertidal System. Journal of Exp. Marine Biology and Ecology 74:13-34

Seapy, R.R., and M.M. Littler. 1982. Population and Species Density Fluctuations in a Rocky Intertidal Community Relative to Severe Aerial Exposure and Sediment Burial. Marine Biology 71:87-96.

Taylor, P.R., and M.M. Littler. 1982. The Roles of Compensatory Mortality, Physical Disturbance, and Substrate Retentions in the Development and Organization of a Sand-Influenced Rocky Intertidal Community. Ecology 63(1):135-146.

CONTRACT NO.: CT7-44; 29083

CONTRACT TITLE: Southern California Bight Intertidal Baseline Survey, Year Three

REPORT(S):

Kanter, R. and M. Littler. 1979. (1977-78). Year III. Intertidal Study of the Southern California Bight. Biological Community Structure. Science Applications, Inc., La Jolla, CA. Vol. II. Report 1, Section 1-7. 332 pp. (NTIS No. PB80143712)

Kanter, R. and M. Littler. 1979. (1977-78). Year III. Intertidal Study of the Southern California Bight. Biological Community Structure. Science Applications, Inc., La Jolla, CA. Vol. II. Report 1, Sections 8-15. 302 pp. (NTIS No. PB80143720)

Kanter, R. and M. Littler. 1979. (1977-78). Year III. Intertidal Study of the Southern California Bight. Biological Community Structure. Science Applications, Inc., La Jolla, CA. Vol. II. Report 1, Sections 16-22. 361 pp. (NTIS No. PB80143738)

Lippincott, W.A. 1979. (1977-78). Year III. Intertidal Study of the Southern California Bight. Summary and Synthesis of Principal Findings. Science Applications, Inc., La Jolla, CA. Vol. I. 120 pp. plus appendices (NTIS No. PB80143704)

Lippincott, W.H. 1979. (1977-78). Year III. Intertidal Study of the Southern California Bight. Rocky Shore, Sandy Beach and Slough Habitats. Science Applications, Inc., La Jolla, CA. Vol. II. Reports 10-19. 528 pp. (NTIS No. PB80143753)

Lippincott, W.H. 1979. (1977-78). Year III. Intertidal Study of the Southern California Bight. Summary Report. Science Applications, Inc., La Jolla, CA. Vol. IV. Reports 2-12. 877 pp. (NTIS No. PB80143795)

Littler, M.M. 1979. (1977-78). Year III. Intertidal Study of the Southern California Bight. Macro-organisms. Science Applications, Inc., La

Jolla, CA. Vol. II. Reports 2-9. 640 pp. (NTIS No. PB80143746)

Littler, M.M. 1979. (1977-78). Year III. Intertidal Study of the Southern California Bight. Methods and Materials. Science Applications, Inc., La Jolla, CA. Vol. III. Reports 1-11. 161 pp. (NTIS No. PB80143761)

Littler, M.M. 1979. (1977-78). Year III. Intertidal Study of the Southern California Bight. Macro Biota. Science Applications, Inc., La Jolla, CA. Vol. IV. Report 1, Appendices A-E. (NTIS No. PB80143779)

Murray, S., and M.M. Littler. 1979. (1977-78). Year III. Intertidal Study of the Southern California Bight. Statistical Data. Science Applications, Inc., La Jolla, CA. Vol. IV. Report 1, Appendix F. (NTIS No. PB80143787)

AWARD DATE:	07/77 (complete)
TOTAL COST:	$2,137,858
PLANNING AREA(S):	Southern California
PROGRAM MANAGER(S):	Dr. William Lippincott
AFFILIATION:	Science Applications, Inc., La Jolla, CA
COTR:	Mr. John Lane
AVAILABILITY:	NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS:	None

3. Biology and Ecology

CONTRACT NO.: CT4-01

CONTRACT TITLE: Southern California Summary of Knowledge

REPORT(S): Dailey, M.D., B. Hill, and N. Lansing (Editors). 1974. A Summary of Knowledge of the Southern California Coastal Zone and Offshore Areas. Physical Environment. The Southern California Ocean Studies Consortium of the California State University and Colleges. Vol. I. 485 pp.
Dailey, M.D., B. Hill, and N. Lansing (Editors). 1974. A Summary of Knowledge of the Southern California Coastal Zone and Offshore Areas. Biological Environment. The Southern California Ocean Studies Consortium of the California State University and Colleges. Vol. II. 868 pp.
Dailey, M.D., B. Hill, and N. Lansing (Editors). 1974. A Summary of Knowledge of the Southern California Coastal Zone and Offshore Areas. Social and Economic Elements. The Southern California Ocean Studies Consortium of the California State University and Colleges. Vol. III. 858 pp.

AWARD DATE: 10/73 (complete)
TOTAL COST: $116,065
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Mr. Neal Lansing
AFFILIATION: Southern California Ocean Studies Consortium; California State Universities and Colleges; Dominque Hills, Fullerton, Long Beach, Northridge, and Pomona
COTR: Dr. N. Jay Bassin
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT6-15

CONTRACT TITLE: Summary and Analysis of Environmental Information of the Oregon and Washington Coastal Zone and Offshore Areas

REPORT(S): Pizzo, J.T. (Manager). 1977. A Summary of Knowledge of the Oregon and Washington Coastal Zone and Offshore Area. Physical Description. Oceanographic Institute of Washington, Seattle, WA. Vol I. Chapters I-III. 647 pp. (NTIS No. PB272490/4)

Pizzo, J.T. (Manager). 1977. A Summary of Knowledge of the Oregon and Washington Coastal Zone and Offshore Areas. Biological Description. Oceanographic Institute of Washington, Seattle, WA. Vol II. Chapters IV-VII. 638 pp. (NTIS No. PB272491/2)

Pizzo, J.T. (Manager). 1977. A Summary of Knowledge of the Oregon and Washington Coastal Zone and Offshore Areas. Socioeconomic Considerations and Master Bibliography. Oceanographic Institute of Washington, Seattle, WA. Vol III. Chapters VIII-XIV. 685 pp. (NTIS No. PB272492/0) (NTIS No. PB272489-SET)

AWARD DATE: 10/76 (complete)
TOTAL COST: $157,184
PLANNING AREA(S): Washington-Oregon
PROGRAM MANAGER(S): Messrs. Joseph T. Pizzo and Gary W. Harshman
AFFILIATION: Oceanographic Institute of Washington, Seattle, WA
SUBCONTRACTOR(S): Human Resources Planning Institute
COTR: Dr. N. Jay Bassin
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT6-52: 29081

CONTRACT TITLE: Summary of Knowledge of Central and Northern California Coastal Zone and Offshore Areas

REPORT(S):

Winzler, J.R. (Manager). 1977. A Summary of Knowledge of the Central and Northern California Coastal Zone and Offshore Areas. Physical Conditions. Winzler and Kelly Consulting Engineers, Eureka, CA. Vol. I. Book 1. 384 pp. (NTIS No. PB274210/4)

Winzler, J.R. (Manager). 1977. A Summary of Knowledge of the Central and Northern California Coastal Zone and Offshore Areas. Physical Conditions. Winzler and Kelly Consulting Engineers, Eureka, CA. Vol. I. Book 2. 470 pp. (NTIS No. PB274211/2)

Winzler, J.R. (Manager). 1977. A Summary of Knowledge of the Central and Northern California Coastal Zone and Offshore Areas. Biological Conditions. Winzler and Kelly Consulting Engineers, Eureka, CA. Vol. II. Book 1. 508 pp. (NTIS No. PB274212/0)

Winzler, J.R. (Manager). 1977. A Summary of Knowledge of the Central and Northern California Coastal Zone and Offshore Areas. Biological

Conditions. Winzler and Kelly Consulting Engineers, Eureka, CA. Vol. II. Book 2. 562 pp. (NTIS No. PB274214/6)

Winzler, J.R. (Manager). 1977. A Summary of Knowledge of the Central and Northern California Coastal Zone and Offshore Areas. Socioeconomic Conditions. Winzler and Kelly Consulting Engineers, Eureka, CA. Vol. III. Book 1. (NTIS No. PB274215/3)

Winzler, J.R. (Manager). 1977. A Summary of Knowledge of the Central and Northern California Coastal Zone and Offshore Areas. Socioeconomic Conditions. Winzler and Kelly Consulting Engineers, Eureka, CA. Vol. III. Book 2. (NTIS No. PB274216/1)

Winzler, J.R. (Manager). 1977. A Summary of Knowledge of the Central and Northern California Coastal Zone and Offshore Areas. Master Bibliography. Winzler and Kelly Consulting Engineers, Eureka, CA. Vol. IV. Book 1. 784 pp. (NTIS No. PB274217/9)

Winzler, J.R. (Manager). 1977. A Summary of Knowledge of the Central and Northern California Coastal Zone and Offshore Areas. Biological Conditions. Winzler and Kelly Consulting Engineers, Eureka, CA. Vol. IV. Book 2. 335 pp. (NTIS No. PB274213/8)
(NTIS No. PB294209/SET)

AWARD DATE:	08/76 (complete)
TOTAL COST:	$240,951
PLANNING AREA(S):	Northern and Central California
PROGRAM MANAGER(S):	Messrs. Richard C. Dornhelm and Gregory B. Nesty
AFFILIATION:	Winzler and Kelly Consulting Engineers, Eureka, CA
SUBCONTRACTOR(S):	U.S. Naval Post Graduate School; URS Research Company; Humbolt State University; Bodega Marine Laboratory; CSO International, Inc.; University of California, Berkeley; Oregon State University; Environmental Consulting Services; California State Polytechnic University, Pomona; Moss landing Marine Laboratory; Point Reyes Bird Observatory; William-Kuebelbeck and Associates; California State College, Sonoma
COTR:	Dr. N. Jay Bassin
AVAILABILITY:	NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS:	None

CONTRACT NO.: CT8-43; 29087

CONTRACT TITLE: Biological and Geological Reconnaissance and Characterization Survey of the Tanner and Cortes Banks

REPORT(S): Bane, G.L. (Manager). 1979. Biological and Geological Reconnaissance and Characterization Survey of the Tanner and Cortes Banks. Executive Summary. Interstate Electronics Corp., Anaheim, CA. Vol. I. 29 pp. (NTIS No. PB82190745)
Bane, G.L. (Manager). 1979. Biological and Geological Reconnaissance and Characterization Survey of the Tanner and Cortes Banks. Synthesis of Findings. Interstate Electronics Corp., Anaheim, CA. Vol. II. 133 pp. (NTIS No. PB82190752)

AWARD DATE: 09/78 (complete)
TOTAL COST: $658,166
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Mr. William B. Merselis
AFFILIATION: Interstate Electronics Corporation, Anaheim, CA
COTR: Mr. Richard L. Wilhelmsen
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Lissner, A.L., and J.H. Dorsey. Deep-Water Biological Assemblages of a Hard-Bottom Bank-Ridge Complex of the Southern California Continental Borderland 1986. Bulletin, Southern California Academy of Sciences, 85(2):87-101

CONTRACT NO.: CT9-04

CONTRACT TITLE: Mainland Rocky Intertidal Aerial Survey from Point Arguello to Point Loma

REPORT(S): Mainland Rocky Intertidal Aerial Survey from Point Arguello to Point Loma, California. Maps/mylars-40, Report 12 pp.

AWARD DATE: 09/79 (complete)
TOTAL COST: $9,683
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Dr. Mark Littler
AFFILIATION: University of California, Irvine, CA
COTR: Mr. Martin Golden
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: MU9-12: 29010

CONTRACT TITLE: Ecological Characterization of Central and Northern California Coastal Region

REPORT(S):

Jones and Stokes Associates, Inc. 1981. An Ecological Characterization of the Central and Northern California Coastal Region. Basic Ecological Concepts. Jones and Stokes Associates, Inc., Sacramento, CA. FWS/OBS-80/45. Vol I. 199 pp. (NTIS No. PB83155416)

Jones and Stokes Associates, Inc. 1981. An Ecological Characterization of the Central and Northern California Coastal Region. Regional Characterization. Jones and Stokes Associates, Inc., Sacramento, CA. FWS/OBS-80/46.1. Vol II. Part 1. 438 pp. (NTIS No. PB83155424)

Jones and Stokes Associates, Inc. 1981. An Ecological Characterization of the Central and Northern California Coastal Region. Species Accounts. Jones and Stokes Associates, Inc., Sacramento, CA. FWS/OBS-80/46.2. Vol II. Part 2. 670 pp. (NTIS No. PB83155432)

Jones and Stokes Associates, Inc. 1981. An Ecological Characterization of the Central and Northern California Coastal Region. Habitats. Jones and Stokes Associates, Inc., Sacramento, CA. FWS/OBS-80/47.1. Vol III. Part 1. 463 pp. (NTIS No. PB83155440)

Jones and Stokes Associates, Inc. 1981. An Ecological Characterization of the Central and Northern California Coastal Region. Community Composition Posts. Jones and Stokes Associates, Inc., Sacramento, CA. FWS/OBS-80/47.2. Vol III. Part 2. 866 pp. (NTIS No. PB83155457)

Jones and Stokes Associates, Inc. 1981. An Ecological Characterization of the Central and Northern California Coastal Region. Watersheds and Basins. Jones and Stokes Associates, Inc., Sacramento, CA. FWS/OBS-80/48.1. Vol IV. Part 1. pp. 1-690 (NTIS No. PB83155465)

Jones and Stokes Associates, Inc. 1981. An Ecological Characterization of the Central and Northern California Coastal Region. Watersheds and Basins. Jones and Stokes Associates, Inc., Sacramento, CA. FWS/OBS-80/48.2. Vol IV. Part 2. pp. 691-1383 (NTIS No. PB83155473)

Jones and Stokes Associates, Inc. 1981. An Ecological Characterization of the Central and Northern California Coastal Region. Data Source

Appendix. Jones and Stokes Associates, Inc., Sacramento, CA. FWS/OBS-80/49. Vol V. 68 pp. (NTIS No. PB83155481)
(NTIS No. PB83155408/SET) 5 Volume Set.

AWARD DATE: 03/79 (complete)
TOTAL COST: $697,300
PLANNING AREA(S): Northern and Central California
PROGRAM MANAGER(S): Dr. Jay Watson
AFFILIATION: U.S. Fish and Wildlife Service, Portland, OR
SUBCONTRACTOR(S): Jones & Stokes Associates, Inc.; Anatec Laboratories, Inc.; E.H. White & Co.; Kinnetic Laboratories, Inc.; EDAW, Inc.; Environmental Sciences Associates, Inc.; and Madrone Associates
COTR: Messrs. Richard L. Wilhelmsen and Martin Golden
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CTO-73; 29104

CONTRACT TITLE: Oil Spill Vulnerability (Risk) Assessment of Marine and Coastal Habitats in Central and Northern California

REPORT(S): Woodward-Clyde Consultants. 1982. Central and Northern California Coastal Marine Habitats: Oil Residence and Biological Sensitivity Indices. Woodward-Clyde Consultants, San Francisco, CA. 225 pp. Executive Summary. POCS Technical Paper 83-6. 32 pp.

AWARD DATE: 09/80 (complete)
TOTAL COST: $487,464
PLANNING AREA(S): Northern and Central California
PROGRAM MANAGER(S): Dr. Keith McDonald
AFFILIATION: Woodward-Clyde Consultants, San Francisco, CA
COTR: Mr. Martin Golden
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Robilliard, Edward H., John R. Harper, and Ted P. Winfield. 1983. Third Symposium on Coastal and Ocean Management (Coastal Zone 83). "Biological Sensitivity, Oil Residence and Human Use Indices for Coastal Environments Threatened by Oil Spills" In: American Society of Civil Engineers, New Jersey. Woodward-Clyde Consultants. 1982. Central and Northern California Coastal Marine Habitats: Oil Residence and Biological Sensitivity Indices. Woodward-Clyde Consultants, San Francisco, CA. POCS Technical Paper No. 83-5. 226 pp.

CONTRACT NO.: 30032

CONTRACT TITLE: Assessment of Long-term Changes in the Biological Communities. Phase I. Benthic Reconnaissance of Santa Barbara Channel/Santa Maria Basin

REPORT(S): Lissner, A., C. Phillips, D. Cadien, R. Smith, B. Bernstein, R. Cimberg, T. Kauwling, and W. Anikouchine. 1986. Assessment of Long-Term Changes in Biological Communities in the Santa Maria Basin and Western Santa Barbara Channel. Phase I. Executive Summary. Science Applications International Corp., La Jolla, CA. Vol. 1. 62 pp. OCS Study MMS 86-0012. (NTIS No. PB86240363)

Lissner, A., C. Phillips, D. Cadien, R. Smith, B. Bernstein, R. Cimberg, T. Kauwling, and W. Anikouchine. 1986. Assessment of Long-Term Changes in Biological Communities in the Santa Maria Basin and Western Santa Barbara Channel. Phase I. Synthesis of Findings. Science Applications International Corp., La Jolla, CA. Vol. II. 361 pp. OCS Study MMS 86-0012. (NTIS No. PB86240371)

AWARD DATE: 09/85 (complete)
TOTAL COST: $1,508,565
PLANNING AREA(S): Central and Southern California
PROGRAM MANAGER(S): Drs. Andrew Lissner and Robert Shokes
AFFILIATION: Science Applications Inc., La Jolla, CA
SUBCONTRACTOR(S): MBC Applied Environmental Sciences; Ecoanalysis
COTR: Dr. Fred Piltz
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Piltz, F. 1986. Monitoring long-term changes in biological communities near oil and gas production platforms. Pages 856-861. In: Proceedings Oceans 86, Volume 3, Monitoring strategies symposium. Washington, D.C.

CONTRACT NO.: 30057a

CONTRACT TITLE: Successional/Seasonal Variation of the Central and Northern California Rocky Intertidal Communities as Related to Natural and Man-Induced Disturbances

REPORT(S): Foster, M.S., A.P. DeVogelaere, C. Harrold, J.S. Pearse, and A.B. Thum. 1986. The Cause of Spatial and Temporal Patterns in Rocky Intertidal Communities of Central and Northern California. Executive Summary. Kinnetic Laboratories, Inc.,

Santa Cruz, CA. Vol. 1. OCS Study MMS 85-0049. 27 pp. (NTIS No. PB90261736)

Foster, M.S., A.P. DeVogelaere, C. Harrold, J.S. Pearse, and A.B. Thum. 1986. The Cause of Spatial and Temporal Patterns in Rocky Intertidal Communities of Central and Northern California. Literature Review. Kinnetic Laboratories, Inc., Santa Cruz, CA. Vol. II. OCS Study MMS 85-0049. 97 pp. (NTIS No. PB90261744)

Foster, M.S., A.P. DeVogelaere, C. Harrold, K. Langan, J.S. Pearse, A.B. Thum, and D. Wilson. 1987. Rocky Intertidal Communities of Central and Northern California. Annotated Bibliography. Kinnetic Laboratories, Inc., Santa Cruz, CA. KLI Report No. KLI-R-87-3. OCS Study MMS 86-0052. 601 pp. (NTIS No. PB90261694)

Hardin, D., L. Kiguchi, L. Harrold, and DeVogelaere. 1986. Study of Rocky Intertidal Communities of Central and Northern California: Year I. Kinnetic Laboratories, Inc., Santa Cruz, CA. KLI Report No. KLI-R-86-21. OCS Study MMS 86-0051. 448 pp. (NTIS No. PB90261686)

Hardin, D., M.S. Foster, L.M. Kiguchi, and A.P. De Vogelaere. 1990. Study of the Rocky Intertidal Communities of Central and Northern California: Years III and IV. Vol. I, Literature Review and Analysis, Appendix A: Effects of Size and Severity of Disturbance on the Recovery of a Rocky Intertidal Assemblage; Appendix B: Data Analysis Equations. Kinnetic Laboratories, Inc., Santa Cruz, CA. KLI Report No. KLI-R-90-9. OCS Study MMS 90-0020. 244 pp.

Hardin, D., M.S. Foster, L.M. Kiguchi, and A.P. De Vogelaere. 1990. Study of the Rocky Intertidal Communities of Central and Northern California: Years III and IV. Vol. II, Appendix C: Species Summaries Spring 1987 through Fall 1988, Endocladia/Mastocarpus papillatus Assemblage. Kinnetic Laboratories, Inc., Santa Cruz, CA. KLI Report No. KLI-R-90-9. OCS Study MMS 90-0020. 210 pp.

Hardin, D., M.S. Foster, L.M. Kiguchi, and A.P. De Vogelaere. 1990. Study of the Rocky Intertidal Communities of Central and Northern California: Years III and IV. Vol. III, Appendix D: Species Summaries Spring 1987 through Fall 1988 Mytilus Assemblage. Kinnetic Laboratories, Inc., Santa Cruz, CA. KLI Report No. KLI-R-90-9. OCS Study MMS 90-0020. 246 pp.

Hardin, D., M.S. Foster, L.M. Kiguchi, and A.P. De Vogelaere. 1990. Study of the Rocky Intertidal Communities of Central and Northern California: Years III and IV. Vol. IV, Appendix E: Summaries of Substrates, Totals, and Community parameters Spring 1987 through Fall 1988 Endocladia/ Mastocarpus papillatus Assemblage; Appendix F: Summaries of Substrates, Totals, and Community Parameters Spring 1987 through Fall 1988 Mytilus Assemblage. Kinnetic Laboratories, Inc., Santa Cruz, CA. KLI Report No. KLI-R-90-9. OCS Study MMS 90-0020. 162 pp.

Hardin, D., M.S. Foster, L.M. Kiguchi, and A.P. De Vogelaere. 1990. Study of the Rocky Intertidal Communities of Central and Northern California: Years III and IV. Vol. V, Appendix G: Ranked Species Abundances (Percent Cover) by Site; Appendix H: Two-Way ANOVA Results; Appendix I: Bray-Curtis Similarity Indices. Kinnetic Laboratories, Inc., Santa Cruz, CA. KLI Report No. KLI-R-90-9. OCS Study MMS 90-0020. 262 pp.

AWARD DATE: 09/84 (active)
TOTAL COST: $1,612,995
PLANNING AREA(S): Northern and Central California
PROGRAM MANAGER(S): Dr. Alan Thum and Mr. Dane Hardin
AFFILIATION: Kinnetic Laboratories, Inc., Santa Cruz, CA
SUBCONTRACTOR(S): Moss Landing Marine Laboratories; University of California, Santa Cruz; Terra Corporation
COTR: Ms. Mary Elaine Dunaway
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS:

DeVogelaere, A.P. 1988. Rocky intertidal patch succession after disturbance: Effects of severity, size, and position. M.S. thesis, Moss Landing Marine Laboratories.

Foster, M.S., A.P. DeVogelaere, C. Harrold, J.S. Pearse, and A.B. Thum. 1988. Causes of spatial and temporal patterns in rocky intertidal communities of central and northern California. Memoirs of the California Academy of Sciences 9:1-45

Foster, M.S. 1990. Organization of macroalgal assemblages in the Northeast Pacific: the assumption of homogeneity and the illusion of generality. Hydrobiologia 192:21-33.

Harold, C. and D. Hardin. 1986. "Prey Consumption on Land by the California Sea Otter, Enhydra Lutris", Marine Mammal Science, 2(4):309-313

Nigg, E.W. 1988. Reproductive peridicity and its relationship to recruitment and persistence of

Endocladia muricata and Mastocarpus papillatus. M.S. Thesis, Moss Landing Marine Laboratories. 36 pp.

CONTRACT NO.: 30273

CONTRACT TITLE: Study of the Effects of Offshore Geophysical Acoustic Survey Operations on Important Commercial Fisheries in California

REPORT(S): Malme, C.I., P.W. Smith, and P.R. Miles. 1986. Characterization of Geophysical Acoustic Survey Sounds. BBN Laboratories, Cambridge, MA. OCS Study MMS 86-0032. 88 pp. plus Appendices. (NTIS No. PB90261785)

Pearson, W.H., J.R. Skalski, and C.I. Malme. 1987. Effects of Sounds From a Geophysical Survey Device on Fishing Success. Battelle, Ventura Office. Ventura, CA. OCS Study MMS 87-0020. 293 pp. (NTIS No. PB90261777)

AWARD DATE: 09/85 (complete)
TOTAL COST: $509,885
PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Mr. Eiji Imamura
AFFILIATION: Battelle Memorial Institute, Ventura, CA
SUBCONTRACTOR(S): BBN Laboratories, Inc.
COTR: Mr. Martin Golden
AVAILABILITY: NTIS, Pacific Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30294

CONTRACT TITLE: California OCS Fisheries Data Base

REPORT(S): MBC Applied Environmental Sciences. 1986. An Annotated Bibliography: Fisheries Species and Oil/Gas Oil/Gas Platforms Offshore California. MBC Applied Environmental Sciences, Costa Mesa, CA. OCS Study MMS 86-0092. 308 pp. (NTIS No. PB90261702)

MBC Applied Environmental Sciences. 1986. Ecology of Important Fisheries Species Offshore California. MBC Applied Environmental Sciences, Costa Mesa, CA. OCS Study MMS 86-0093. 253 pp. (NTIS No. PB90261710)

MBC Applied Environmental Sciences. 1987. Ecology of Oil/Gas Platforms Offshore California. MBC Applied Environmental Sciences, Costa Mesa, CA. OCS Study MMS 86-0094. 92 pp. (NTIS No. 90261728)

MBC Applied Environmental Sciences. 1989. An Historical Perspective of the Commercial and Sport Fisheries Offshore California Through 1985. MBC Applied Environmental Sciences, Costa Mesa, CA. OCS Study MMS 89-0073. 91 pp. (NTIS No. PB90261769)

AWARD DATE: 09/85 (active)
TOTAL COST: $537,928
PLANNING AREA(S): Northern, Central and Southern California
PROGRAM MANAGER(S): Dr. Charles Mitchell, and T.J. Kauwling
AFFILIATION: MBC Applied Environmental Sciences, Inc., Costa Mesa, CA
SUBCONTRACTOR(S): EcoAnalysis Inc.; Michael Brandman Associates
COTR: Mr. Frank Manago
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30341

CONTRACT TITLE: Ecology of the Southern California Bight: A Synthesis and Interpretation

REPORT(S): Dailey M., J.W. Anderson, D.J. Reish and D.W. Hood (eds.). 1989. Bibliography and Literature Database, Ecology of the Southern California Bight. 544 pp.

AWARD DATE: 08/87 (complete)
TOTAL COST: $365,205
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Dr. Murray Dailey
AFFILIATION: California Ocean Studies Consortium, California State University, Long Beach, CA
SUBCONTRACTOR(S): Southern California Coastal Water Research Project
COTR: Dr. Gary Brewer
AVAILABILITY: Bibliography is available in hard copy and on HD floppy diskettes and can be obtained by calling Joann Golden at (805) 389-7854.
OTHER PUBLICATIONS: None

CONTRACT NO.: 30388

CONTRACT TITLE: Biological Reconnaissance of Selected Benthic Habitats Within Three California OCS Planning Areas

REPORT(S): Lissner, A., G. Taghon, D. Diener, S. Schroeter, and J. Dixon. 1988. Review of Recovery and

Recolonization of Hard Substrate Communities of the Outer Continental Shelf. OCS Study MMS 88-0034. 184 pp. (NTIS No. PB89126718/AS)

Lissner, A. 1989. Benthic Reconnaissance of Central and Northern California OCS Areas. Vol. I. 360 pp. OCS Study MMS 89-0039. (NTIS No. PB90-124447/AS)

Lissner, A. 1989. Benthic Reconnaissance of Central and Northern California OCS Areas. Vol. II. Technical Appendices. 154 pp. OCS Study MMS 89-0049. (NTIS No. PB90-124447/AS)

AWARD DATE: 09/87 (complete)
TOTAL COST: $934,168
PLANNING AREA(S): Northern and Central California
PROGRAM MANAGER(S): Dr. Andrew Lissner
AFFILIATION: Science Applications, Inc., La Jolla, CA
SUBCONTRACTOR(S): Marine Ecological Consultants; EcoAnalysis; Remote Ocean Systems
COTR: Dr. Gary Brewer
AVAILABILITY: NTIS, Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30429

CONTRACT TITLE: An Evaluation of Spawning and Recruitment Patterns of Fishes off Northern California, Oregon and Washington

REPORT(S): Active contract

AWARD DATE: 05/88 (active)
TOTAL COST: $302,482
PLANNING AREA(S): Northern California, Washington-Oregon
PROGRAM MANAGER(S): Dr. Art Kendall
AFFILIATION: NOAA, Marine Fisheries Service, Northwest and Alaska Fisheries Center, Seattle, WA
SUBCONTRACTOR(S): Oregon State University, Corvallis, OR
COTR: Dr. Gary Brewer
AVAILABILITY: Active contract
OTHER PUBLICATIONS: None

CONTRACT NO.: 30445

CONTRACT TITLE: Fish Assemblages of Rocky Banks of the Pacific Northwest

REPORT(S): Active contract

AWARD DATE: 06/88 (active)
TOTAL COST: $530,268
PLANNING AREA(S): Washington-Oregon
PROGRAM MANAGER(S): Dr. Mark Hixon
AFFILIATION: Oregon State University, Corvallis, OR
SUBCONTRACTOR(S): Benech Biological Associates
COTR: Mr. Frank Manago
AVAILABILITY: Active contract
OTHER PUBLICATIONS: None

CONTRACT NO.: 30459

CONTRACT TITLE: Washington, Oregon, and California OCS Fisheries Data Base

REPORT(S): Active contract

AWARD DATE: 09/88 (active)
TOTAL COST: $454,702
PLANNING AREA(S): All Pacific OCS Region Planning Aeas
PROGRAM MANAGER(S): Dr. Russell Porter (PMFC)
AFFILIATION: Pacific Marine Fisheries Commission (PMFC), Seattle, WA
SUBCONTRACTOR(S): Washington Department of Fisheries, Oregon Department of Fish and Wildlife; Northwest Indian Fisheries Commission; and EcoAnalysis, Inc.
COTR: Mr. Frank Manago
AVAILABILITY: Active contract
OTHER PUBLICATIONS: None

CONTRACT NO.: 10268

CONTRACT TITLE: Analysis of Dungeness Crab Larvae off Washington, Oregon, and Northern California

REPORT(S): Hobbs, R.C., L.W. Botsford, A. Thomas, and J.M. Shenker. 1990. Analysis of Dungeness Crab (Cancer magister) Larvae in Samples From the Cooperative U.S.A/U.S.S.R. Ichthyoplankton Surveys off Washington, Oregon, and Northern California, 1981 to 1985. University of California, Davis CA. 104 pp.

AWARD DATE: 02/89 (complete)
TOTAL COST: $11,831
PLANNING AREA(S): Washington-Oregon and Northern California
PROGRAM MANAGER(S): Dr. Louis Botsford
AFFILIATION: NOAA; National Marine Fisheries Service; Southwest Fisheries Center
COTR: Dr. Gary Brewer

AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 10396 (Interagency Agreement)

CONTRACT TITLE: Identification Guide to the Early Life Stages of Fishes of the California Current

REPORT(S): Active contract

AWARD DATE: 02/89 (active)
TOTAL COST: $54,600
PLANNING AREA(S): Northern, Central and Southern California
PROGRAM MANAGER(S): Dr. H. Geoffrey Moser
AFFILIATION: Southwest Fisheries Center
COTR: Dr. Gary Brewer
AVAILABILITY: Active contract
OTHER PUBLICATIONS: None

CONTRACT NO.: 30484

CONTRACT TITLE: Taxonomic Atlas of the Santa Maria Basin Fauna

REPORT(S): Active Contract

AWARD DATE: 09/89 (active)
TOTAL COST: $679,013
PLANNING AREA(S): Central and Southern California
PROGRAM MANAGER(S): Dr. James A. Blake
AFFILIATION: Science Applications International
COTR: Mr. Frank Manago
AVAILABILITY: Active contract
OTHER PUBLICATIONS: None

CONTRACT NO.: 13244

CONTRACT TITLE: Harpacticoid Copepods from the Santa Maria Basin

REPORT(S): Active contract

AWARD DATE: 09/90 (active)
TOTAL COST: $24,470
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Dr. Paul Montagna
AFFILIATION: University of Texas at Austin
COTR: Dr. Gary Brewer
AVAILABILITY: Active contract
OTHER PUBLICATIONS: None

4. Marine Mammals, Seabirds, and Protected Species

CONTRACT NO.: CT5-28

CONTRACT TITLE: Southern California Marine Mammal and Seabird Survey, Year I.

REPORT(S):

Dohl, T.P., et al. 1978. Marine Mammal and Seabird Survey of the Southern California Bight Area. Detailed Synthesis. University of California, Santa Cruz, CA Vol. II. 331 pp. (material from Vol. I is included in Vol. II.) (NTIS No. PB295931/0)

Dohl, T.P., et al. 1978. Marine Mammal and Seabird Survey of the Southern California Bight Area. Pinnipedia, Cetacea, and Parasitology. University of California, Santa Cruz, CA. Vol. III. Book 1. 535 pp. (NTIS No. PB295932/8)

Dohl, T.P., et al. 1978. Marine Mammal and Seabird Survey of the Southern California Bight Area. Seabirds. University of California, Santa Cruz, CA. Vol. III. Book 2. 312 pp. (NTIS No. PB295933/6)

Dohl, T.P., et al. 1978. Marine Mammal and Seabird Survey of the Southern California Bight Area. Appendices and Literature Citations. University of California, Santa Cruz, CA. Vol. III. Book 3. 465 pp. (NTIS No. PB295934/4) (NTIS No. PB295930/AS-Set)

AWARD DATE: 04/75 (complete)
TOTAL COST: $652,000
PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Drs. Kenneth Briggs, Ken Norris, George Hunt, and Burney LeBouef
AFFILIATION: University of California at Santa Cruz and Irvine
COTR: Dr. Donald Keene and Mr. Gordon Reetz
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS:

Hill, M. 1981. Results of BLM Funded Studies (1975-78): Marine Mammals of the Southern California Bight, POCS Technical Paper 81-6. 96 pp.

Freel, M.R., and M.E. Aceituno. 1978. Seabirds and Marine Mammals of the Southern California Bight. Pacific OCS Office, Los Angeles, CA. POCS Reference Paper No. I. 106 pp.

CONTRACT NO.: CT6-26

CONTRACT TITLE: Southern California Marine Mammal and Seabird Survey, Year II.

REPORT(S): Dohl, T.P., et al. 1976-77. Southern California Marine Mammal and Seabird Study. Compilation of Field Trip Reports. University of California, Santa Cruz. 680 pp.

AWARD DATE: 04/76 (complete)
TOTAL COST: $1,028,951
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Drs. Ken Norris, George Hurt, and Burney LeBouef
AFFILIATION: University of California at Santa Cruz and Irvine
COTR: Dr. Donald Keene and Mr. Gordon Reetz
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT7-36; 29082

CONTRACT TITLE: Southern California Marine Mammal and Seabird Survey, Year III

REPORTS(S): Bonnell, M.L., B. LeBoeuf, M.O. Pierson, D. Dettman, and C.D Farrens. 1981. (1975-78). Marine Mammal and Seabird Surveys of the Southern California Bight Area. Executive Summary and Synthesis of Findings. University of California, Santa Cruz, CA. Vol. II. (material from Vol. I. is included in Vol. II.) 414 pp. (NTIS No. PB81177164)

Bonnell, M.L., B. LeBoeuf, M.O. Pierson, D. Dettman, and C.D Farrens. 1981. (1975-78). Marine Mammal and Seabird Surveys of the Southern California Bight Area. Pinnipeds of the Southern California Bight. University of California, Santa Cruz, CA. Vol. III. Part 1. 535 pp. (NTIS No. PB81248171)

Briggs, K.T., W.B. Tyler, D.B. Lewis, and K.F. Dettman. 1981. (1975-78). Summary of Marine Mammal and Seabird Surveys of the Southern California Bight Area. Seabirds. University of California, Santa Cruz, CA. Vol. III. Part 3. Book 2. 237 pp. (NTIS No. PB81248205)

Briggs, K.T., E.W. Chu, D.B. Lewis, D.B. Tyler, R.L. Pitman, and G.L. Hunt. 1981. (1975-78). Summary of Marine Mammal and Seabird Surveys of the Southern California Bight Area. Seabirds. University of California, Santa Cruz, CA. Vol. III. Part 3. Book 1. 212 pp. (NTIS No. PB81248197)

Dohl, T.P. K.S. Norris, R.C. Guess, J.D. Bryant, and M.W. Honig. 1981. (1975-78). Summary of Marine Mammal and Seabird Surveys of the Southern California Bight Area. Cetacea of the Southern California Bight. University of California, Santa Cruz, CA. Vol. III. Part 2. 414 pp. (NTIS No. PB81248189)

AWARD DATE: 07/77 (complete)
TOTAL COST: $971,104
PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Mr. Thomas P. Dohl
AFFILIATION: University of California at Santa Cruz and Irvine
COTR: Mr. Gordon Reetz
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Center for Coastal Marine Studies. 1981. Summary Report 1975-78, Marine Mammal and Seabird Surveys of the Southern California Bight Area. Executive Summary. Years I-III. POCS Technical Paper No. 91-9. 40 pp.

CONTRACT NO.: MU9-13; 29088

CONTRACT TITLE: Seabird Nesting and Seasonal Use: Survey for the Central and Northern California Coastal Region

REPORT(S): Sowls, A.L., A.R. DeGange, J.W. Nelson, and G.S. Lester. 1980. Catalog of California Seabird Colonies. U.S. Fish and Wildlife Service. Report No. FWS/OBS-80/37. 371 pp.

AWARD DATE: 04/79 (completed)
TOTAL COST: $147,492
PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Dr. Jay Watson
AFFILIATION: U.S. Fish and Wildlife Service, Portland, OR
COTR: Mr. Gordon Reetz
AVAILABILITY: USFWS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT9-33; 29090

CONTRACT TITLE: Central and Northern California Marine Mammal and Seabird Study

REPORT(S): Bonnell, M.L., M.O. Pierson, and C.D. Farrens. 1983. (1980-83). Pinnipeds and Sea Otters of Central and Northern California. Status, Abundance, and Distribution. University of California, Santa Cruz, CA. Vol. III. Book 1. OCS Study MMS 84-0044. 220 pp. (NTIS No. PB85183853)

Briggs, K.T., W.B. Tyler, D.B. Lewis, and K.F. Dettman. 1983. (1980-83). Marine Mammals and Seabirds of Central and Northern California. Status, Abundance, and Distribution. University of California, Santa Cruz, CA. Vol. III. Book 3. OCS Study MMS 84-0043. 246 pp. (NTIS No. PB85183846)

Dohl, T.P., M.L. Bonnell, R.C. Guess, and K.T. Briggs. 1983. (1980-83). Marine Mammals and Seabirds of Central and Northern California. Executive Summary. University of California, Santa Cruz, CA. Vol. I. OCS Study MMS 84-0041. 29 pp. (NTIS No. PB85183820) PC4.1/BJ

Dohl, T.P., M.L. Bonnell, R.C. Guess, and K.T. Briggs. 1983. (1980-83). Marine Mammals and Seabirds of Central and Northern California. Synthesis of Findings. University of California, Santa Cruz, CA. Vol. II. OCS Study MMS 84-0042. 248 pp. (NTIS No. PB85183838) PC4.2/BJ

Dohl, T.P., R.C. Guess, M.L. Duman, and R.C. Helm. 1983. (1980-83). Cetaceans of Central and Northern California. Status, Abundance, and Distribution. University of California, Santa Cruz, CA. Vol. III. Book 2. OCS Study MMS 84-0045. 284 pp. (NTIS No. PB85183861) PC4.4/BJ

AWARD DATE: 09/79 (complete)
TOTAL COST: $3,714,914
PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Mr. William T. Doyle
AFFILIATION: University of California, Santa Cruz, Center for Marine Studies, Santa Cruz, CA
COTR: Mr. Gordon R. Reetz
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS:

Bonnell M.L., and R.G. Ford. 1987. California Sea Lion Distribution: A Statistical Analysis of Aerial Transect Data. Journal of Wildlife Management 51(1):13-20.

Briggs, K.T., and E.W. Chu. 1986. Sooty Shearwaters Off California: Distribution, Abundance and Habitat Use. The Condor 88:355-364.

Briggs, K.T., and E.W. Chu. California Seabirds: Updating Models of Trophic Impact. In: J. Croxall (ed.) The Feeding Ecology of Seabirds and Their Role in Marine Ecosystems, Cambridge University Press.

Briggs, K.T., D.G. Ainley, P.B. Adams, L.B. Spear, and S.E. Smith. In: Press. Feeding By Two Alcids At Central California Upwellings. Proceeding of XIX International Congress of Ornothology. Ottawa, Canada.

Briggs, K.T., K.F. Dettman, D.B. Lewis, and W.B. Tyler. 1982. Phalarope Feeding In Relation To Autumn Upwelling Off California. In: "Marine Birds: Their Feeding Ecology and Commercial Fisheries Relationships". Nettleship, Sanger and Spring (eds.). In: Proceedings of the Seabird Group Symposium, Seattle, WA, 6-8 June 1982. Canadian Wildlife Service Special Publication, pp. 51-62.

Briggs, K.T., W.B. Tyler, and D.B. Lewis. 1985. Aerial Surveys for Seabirds.. Methodological Experiments. Journal of Wildlife Management 49(2):412-417

Briggs, K.T., W.B. Tyler, and D.B. Lewis. 1985. Comparison of Ship and Aerial Surveys of Birds at Sea. Journal of Wildlife Management 49(2):405-411.

Briggs, K.T., W.B. Tyler, D.B. Lewis, and D.R. Carlson. 1987. Bird Communities At Sea Off California: 1975 to 1983. Studies in Avian Biology No. 11. Cooper Ornithological Society. 74 pp.

Briggs, K.T., W.B. Tyler, D.B. Lewis, P.R. Kelly, and D.A. Croll. 1983. Brown Pelican Populations In Central and Northern California, 1980-1982. Journal of Field Ornithology 54:353-373.

Dohl, T.P., M.L. Bonnell, and R.G. Ford. 1985. Distribution and Abundance of Common Dolphin In The Southern California Bight: A Quantitative Assessment Based Upon Aerial Transect Data. Fisheries Bulletin 84(2):333-343.

CONTRACT NO.: CTO-70: 29102

CONTRACT TITLE: California Seabird Oil Spill Behavior Study

REPORT(S):

Nero & Associates. 1983. Seabird Oil Spill Behavior Study. Executive Summary. Nero & Associates, Portland, OR. Vol. I. 15 pp. (NTIS No. PB84179530)

Nero & Associates. 1983. Seabird-Oil Spill Behavior Study. Technical Report. Nero & Associates, Portland, OR. Vol. II. 64 pp. (NTIS No. PB84179548)

Nero & Associates. 1983. Seabird-Oil Spill Behavior Study. Appendices. Nero & Associates, Portland, OR. Vol. III. 290 pp. (NTIS No. PB84179555) (NTIS No. PB84179522-SET)

AWARD DATE: 09/80 (complete)
TOTAL COST: $496,294

PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Dr. Daniel Varoujean
AFFILIATION: Nero and Associates, Inc., Portland, OR
COTR: Mr. Gordon R. Reetz
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT1-60; 29112

CONTRACT TITLE: Seabird Oil Toxicity Study

REPORT(S): Sharma, K.J. 1981. Seabird Oil Toxicity Study. Nero and Associates, Portland OR. OCS Study MMS 87-0005. 128 pp. plus appendices. (NTIS No. PB90-161787/AS)

AWARD DATE: 09/81 (complete)
TOTAL COST: $1,012,922
PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Drs. C. Richard Grau and M. Fry
AFFILIATION: Nero & Associates, Inc., Portland, OR
SUBCONTRACTORS: Point Reyes Bird Observatory, University of California at Davis
COTR: Messrs. Martin Golden and Gordon Reetz
AVAILABILITY: NTIS, Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT2-08; 29115

CONTRACT TITLE: Southern California Marine Mammal and Seabird Risk Analysis

REPORT(S): Ford, R.G. 1983. Southern California Marine Mammal and Seabird Risk Analysis. Draft Report to MMS. Woodward-Clyde Consultants.
Woodward-Clyde Consultants. 1983. Southern California Marine Mammal and Seabird Risk Analysis. Executive Summary. Woodward-Clyde Consultants. 19 pp.

AWARD DATE: 03/82 (complete)
TOTAL COST: $184,356
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Dr. Theodore P. Winfield
AFFILIATION: Woodward-Clyde Consultants
COTR: Mr. Gordon R. Reetz

AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30005

CONTRACT TITLE: Observation of Sea Otter Behavior

REPORT(S): Unavailable

AWARD DATE: 04/83 (complete)
TOTAL COST: $31,546
PLANNING AREA(S): Central and Southern California
PROGRAM MANAGER(S): Dr. Robert L. Brownell, Jr.
AFFILIATION: U.S. Fish and Wildlife Service, Denver, CO
COTR: Mr. Gordon R. Reetz
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30023

CONTRACT TITLE: Synthesis of Available Population Information on California Sea Otters

REPORT(S): Estes, J.A., and R.J. Jameson. Summary of Available Population Information on California Sea Otters POCS Technical Paper 83-11. 29 pp.

AWARD DATE: 04/83 (complete)
TOTAL COST: $6,160
PLANNING AREA(S): Central and Southern California
PROGRAM MANAGER(S): Dr. Robert L. Brownell, Jr.
AFFILIATION: U.S. Fish and Wildlife Service, Denver, CO
COTR: Mr. Gordon R. Reetz
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30033

CONTRACT TITLE: Population Status of California Sea Otters

REPORT(S): Siniff, D. and K. Ralls. 1988. Population Status of California Sea Otters. OCS Study MMS 88-0021. 391 pp. (NTIS No. PB89192983/AS)

AWARD DATE: 09/83 (complete)
TOTAL COST: $1,187,090
PLANNING AREA(S): Central and Southern California
PROGRAM MANAGER(S): Dr. Donald Siniff
AFFILIATION: University of Minnesota, St. Paul, MN
COTR: Mr. Gordon Reetz
AVAILABILITY: NTIS, Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Garshelis, D.L., and D.B. Siniff. Evaluation of Radiotransmitter Attachments for Sea Otters

1983. Wildlife Society Bulletin 11(4):378-383.
Ralls, K., D.B. Siniff, T.D. Williams and V.B. Kuechle. 1989. An Intraperitonial Radio Transmitter for Sea Otters. Marine Mammal Science, 5(4):376-381.
Ralls, K., and D.B. Siniff. 1990. Time Budgets and Activity Patterns in California Sea Otters. Journal of Wildlife Management. 54(2):251-259.

CONTRACT NO.: 30157

CONTRACT TITLE: Sea Otter Oil Spill Mitigation Study

REPORT(S): Davis, R.W. (Project Manager). 1986. Sea Otter Oil Spill Mitigation Study. Hubbs Marine Research Institute, San Diego, CA. OCS Study MMS 86-0009. 221 pp. (NTIS No. PB89158851/AS)

AWARD DATE: 09/84 (complete)
TOTAL COST: $473,247
PLANNING AREA(S): Central and Southern California, Washington-Oregon
PROGRAM MANAGER(S): Dr. Jeannette Thomas and Mr. R.W. Davis
AFFILIATION: Hubbs Marine Research Institute, San Diego, CA
COTR: Mr. Gordon Reetz
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Tetra Tech, Inc. 1985. Fates and Effects of Oil Dispersants and Chemically Dispersed Oil in the Marine Environment. Draft Final Report to MMS and Hubbs Marine Research Institute, Tetra Tech, Bellevue, WA. Report Number TC-3998, 73 pp. plus appendices. (unpublished)
Thomas, J.A., L.H. Cornell, B.E. Joseph, T.D. Williams, and S. Dreischman. 1987. An Implanted Transponder Chip Used As a Tag For Sea Otters. Marine Mammal Science 3(3):271-274.

CONTRACT NO.: 30183

CONTRACT TITLE: California Seabird Ecology Study

REPORT(S): Briggs, K.T., D.G. Ainley, D.R. Carlson, D.B. Lewis, W.B. Tyler, L.B. Spear, and L.A. Ferris. 1988. California Seabird Ecology Study. Feeding Ecology of California Nesting Seabirds. Vol. I. Institute of Marine Sciences, University of California, Santa Cruz. OCS Study MMS 87-0055. viii + 153 pp. (NTIS No. PB89126692/AS)
Denner, W., Dr., D. Sides, J. Mueller, Dr., and L. Breaker, Dr. 1988. California Seabird Ecology Study. Satellite Data Analysis Vol. II. Institute of Marine Sciences, University of California, Santa

Cruz. OCS Study MMS 87-0056. vii + 125 pp. (NTIS No. PB89126700/AS)

Briggs, K.T., W.B. Tyler, D.C. Carlson, D.G. Ainley, C. Strong, R.J. Boekelheide, T. Benniman, and H. Carter. 1985. California Seabird Ecology Study: Synthesis of Information. Minerals Management Service 365 pp.

AWARD DATE: 09/84 (complete)
TOTAL COST: $514,323
PLANNING AREA(S): Northern, Central and Southern California
PROGRAM MANAGER(S): Dr. Kenneth Briggs
AFFILIATION: University of California at Santa Cruz
COTR: Mr. Gordon Reetz
AVAILABILITY: NTIS, Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30224

CONTRACT TITLE: A Risk Analysis Model for Marine Mammals and Seabirds: A Southern California Bight Scenario

REPORT(S): Ford, R.G. 1985. A Risk Analysis Model for Marine Mammals and Seabirds: A Southern California Bight Scenario. Ecological Consulting, San Diego, CA. OCS Study MMS 85-0104. 236 pp. (NTIS No. PB89126684/AS)

Ford, R.G. 1985. Oil Slick Sizes and Length of Coastline Affected: A Literature Survey and Statistical Analysis. Ecological Consulting, San Diego, CA. OCS Study MMS 85-0105. 34 pp. (NTIS No. PB89204648/AS)

AWARD DATE: 09/84 (complete)
TOTAL COST: $58,979
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Dr. R. Glenn Ford
AFFILIATION: Ecological Consulting, San Diego, CA
COTR: Mr. Gordon Reetz
AVAILABILITY: NTIS, Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30256

CONTRACT TITLE: Sea Otter Oil Spill Avoidance Study

REPORT(S): Tetra Tech, Inc. 1985. Fate and Effects of Oil Dispersants and Chemically Dispersed Oil in the

Marine Environment. Tetra Tech, Inc., Bellevue, WA. Tetra Tech Report 3998. OCS Study MMS 85-0048. 114 pp.

Davis, R.W., T.M. Williams, and F. Awbrey. 1988. Sea Otter Oil Spill Avoidance Study. Hubbs Marine Research Center, San Diego, CA. OCS Study MMS 88-0051. 74 pp. (NTIS No. PB89191381/AS)

AWARD DATE: 09/85 (complete)
TOTAL COST: $550,680
PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Dr. Randall Davis
AFFILIATION: Hubbs Marine Research Institute, San Diego, CA
SUBCONTRACTORS: Tetra Tech, University of Minnesota
COTR: Mr. Gordon Reetz
AVAILABILITY: NTIS, Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Davis, R., B. Bohne, E. Yohe-Hart, and L. Cornell. 1987. The Cochlear Anatomy of the Sea Otter (Enhydra lutris) Society for Marine Mammalogy (Sponsor), Seventh Biennial Conference on the Biology of Marine Mammals. Abstracts, pg. 15.

CONTRACT NO.: 30306

CONTRACT TITLE: Gray Whale Monitoring Study

REPORT(S): Mitchell, C.T. and R.R. Ware. 1989. Gray Whale Monitoring Study. OCS Study MMS 89-0075. 197 pp. (NTIS No. PB90120783/AS)

AWARD DATE: 04/86 (complete)
TOTAL COST: $188,195
PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Mr. Robert Ware
AFFILIATION: MBC Applied Environmental Sciences, Costa Mesa, CA
COTR: Mr. Gordon Reetz
AVAILABILITY: NTIS, Depository Libraries, Pacific OCS Region (ready copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: ON14257

CONTRACT TITLE: Diving Patterns of Free Swimming Northern Elephant Seals

REPORT(S): LeBoeuf, B.J., D.P. Costa, A.C. Huntley, and S.D. Feldkamp. 1987. Progress Report to MMS. Diving Behavior of Female Northern Elephant Seals, Mirounga angustirostris. University of California, Santa Cruz. 41 pp. + figures, tables.

LeBoeuf, B.J., D.P. Costa, A.C. Huntley, and S.D. Feldkamp. 1988. Continuous, deep diving in female northern seals, Mirounga angustirostris. Canadian Journal of Zoology 66:446-458

AWARD DATE: 12/86 (complete)
TOTAL COST: $20,000 (FY 86, 87 and 88)
PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Dr. Burney J. LeBouef
AFFILIATION: University of California at Santa Cruz
COTR: Mr. Gordon Reetz
AVAILABILITY: Reading copy of progress report and Journal Article are available at Pacific OCS Region Office
OTHER PUBLICATIONS: LeBoeuf, B.J., Y. Naito, S.D. Feldkamp, and A.C. Huntley. 1987. Continuous deep, diving in female northern elephant seals. Society for Marine Mammalogy (Sponsor), Seventh Biennial Conference on the Biology of Marine Mammals. Abstracts, pg. 40.

CONTRACT NO.: 30426

CONTRACT TITLE: Oregon and Washington Marine Mammal and Seabird Surveys

REPORT(S): Brueggeman, J.J. (ed.). 1990. Oregon - Washington Marine Mammal & Seabird Surveys: Information Synthesis and Hypothesis Formulation Report. Envirosphere Company, Bellevue, WA and Ecological Consulting, Inc., Portland, OR. OCS Study MMS 89-0030. 381 pp.

AWARD DATE: 09/88 (active)
TOTAL COST: $1,625,265
PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Dr. John J. Brueggeman
AFFILIATION: Envirosphere Company, Bellevue, WA
COTR: Mr. Gordon Reetz
AVAILABILITY: Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30451

CONTRACT TITLE: Biological Impacts of Translocated Sea Otters

REPORT(S): Ralls, K., D.B. Siniff, A. Doroff, and A. Mercure. 1990. Biological Impacts of Translocated Sea Otters. University of Minnesota, Minneapolis, MN. OCS Study MMS 90-0033. 38 pp. (NTIS No. PB90263328)

AWARD DATE: 09/88 (complete)
TOTAL COST: $90,652
PLANNING AREA(S): Washington-Oregon, Central and Southern California
PROGRAM MANAGER(S): Dr. Donald Siniff
AFFILIATION: University of Minnesota, St. Paul, MN
COTR: Mr. Gordon Reetz
AVAILABILITY: NTIS, Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Ralls, K. and D.B. Siniff. 1990. Time Budgets and Activity Patterns in California Sea Otters. Journal of Wildlife Management 54(2):251-259.

CONTRACT NO.: 30456

CONTRACT TITLE: Seabird Nesting Survey for the Central and Northern California Region and Preparation of the Catalog of California Seabird Colonies

REPORT(S): Active contract

AWARD DATE: 08/88 (active)
TOTAL COST: $280,000
PLANNING AREA(S): Northern and Central California
PROGRAM MANAGER(S): Dr. David Gilmer
AFFILIATION: U.S. Fish and Wildlife Service (IA), Dixon, CA
SUBCONTRACTOR(S): Humboldt State University
COTR: Mr. Gordon Reetz
AVAILABILITY: Active contract
OTHER PUBLICATIONS: None

CONTRACT NO.: 10394

CONTRACT TITLE: Publication of the National Atlas of Coastal Waterbird Colonies and the Washington Seabird Catalog

REPORT(S): Speich, S.M. and T.R. Wahl. 1989. Catalog of Washington Seabird Colonies. U.S. Fish and Wildlife Service. U.S. Fish and Wildlife Biological Report 88(6). OCS Study MMS 89-0054. 510 pp. (NTIS No. PB90133695/AS)
Spendelow, J.A. and S.R. Patton. 1988. National Atlas of Coastal Waterbird Colonies in the Contiguous United States: 1976-82. U.S. Fish and Wildlife Service, Washington, DC. Biological Report 88(5). 336 pp.

AWARD DATE: 02/89 (complete)
TOTAL COST: $62,296
PLANNING AREA(S): All Pacific, Gulf, Atlantic, and Alaska OCS Region Planning Areas

PROGRAM MANAGER(S): Ms. Gaye Farris
AFFILIATION: U.S. Fish and Wildlife Service (IA), Dixon, CA
COTR: Mr. Gordon Reetz
AVAILABILITY: NTIS, Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 10576

CONTRACT TITLE: A Study of Marbled Murrelet in California

REPORT(S): Active contract

AWARD DATE: 04/89 (active)
TOTAL COST: $41,500
PLANNING AREA(S): Northern and Central California
PROGRAM MANAGER(S): Dr. C.J. Ralph
AFFILIATION: U.S. Forest Service
COTR: Mr. Gordon Reetz
AVAILABILITY: Active contract
OTHER PUBLICATIONS: None

CONTRACT NO.: OCE-8611086

CONTRACT TITLE: Diving Studies of Northern Elephant Seals

REPORT(S): Active contract

AWARD DATE: 03/90 (active)
TOTAL COST: $27,500
PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Dr. Burney J. LeBoeuf
AFFILIATION: University of California at Santa Cruz
COTR: Mr. Gordon Reetz
AVAILABILITY: Active contract
OTHER PUBLICATIONS: None

CONTRACT NO.: 30522

CONTRACT TITLE: Production of Sea Otter Rescue Training Videos

REPORT(S): Active contract

AWARD DATE: 03/90 (active)
TOTAL COST: $46,970
PLANNING AREA(S): Washington-Oregon, Central and Southern California
PROGRAM MANAGER(S): Dr. Randall Davis
AFFILIATION: Dr. Randall Davis
COTR: Mr. Gordon Reetz
AVAILABILITY: Active contract
OTHER PUBLICATIONS: None

CONTRACT NO.: 30524

CONTRACT TITLE: Brown Pelican Survival and Breeding Success Following Oil Exposure in the American Trader Spill

REPORT(S): Active contract

AWARD DATE: 03/90 (active)
TOTAL COST: $50,062
PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Dr. Michael Fry
AFFILIATION: California Department of Fish and Game
COTR: Mr. Gordon Reetz
AVAILABILITY: Active contract
OTHER PUBLICATIONS: None

CONTRACT NO.: 13328

CONTRACT TITLE: Long-Term Survival of Brown Pelicans Following Oil Exposure and Rehabilitation from the American Trader Oil Spill

REPORT(S): Active contract

AWARD DATE: 09/90(active)
TOTAL COST: $23,187
PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Drs. Daniel Anderson and Michael Fry
AFFILIATION: University of California, Davis
COTR: Mr. Gordon Reetz
AVAILABILITY: Active contract
OTHER PUBLICATIONS: None

CONTRACT NO.: 30554

CONTRACT TITLE: Conference on Northern Elephant Seals: Population Assessment, Diving and Foraging Energetics and Life History

REPORT(S): Active contract

AWARD DATE: 09/90(active)
TOTAL COST: $30,000
PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Dr. Burney J. LeBoeuf
AFFILIATION: University of California, Santa Cruz
COTR: Mr. Gordon Reetz
AVAILABILITY: Active contract
OTHER PUBLICATIONS: None

5. Pollutant Fate and Effects

CONTRACT NO.: CT6-38

CONTRACT TITLE: Analysis of Marine Samples for Pb, BA and Cd Content in Southern California

REPORT(S): Unavailable

AWARD DATE: 09/76 (complete)
TOTAL COST: $68,769
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Dr. V. Orphan
AFFILIATION: Science Applications, Inc., La Jolla, CA
COTR: Mr. John Lane
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT7-38

CONTRACT TITLE: Barium and Vanadium Methodology Study

REPORT(S): Reed, J.H. 1977. Barium and Vanadium Determination by Neutron Activities Analysis -- A Study of Procedures. Science Applications, Inc., La Jolla, CA. SAI Report Number SAI-77-804-LJ. 91 pp.

AWARD DATE: 09/77 (complete)
TOTAL COST: $24,669
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Dr. V. Orphan
AFFILIATION: Science Applications, Inc., La Jolla, CA
COTR: Mr. John Lane
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT9-02

CONTRACT TITLE: Formation Water Dispersion Study

REPORT(S): Dickey, T.D., and M.D. Fortin. 1980. A Numerical Model of Dispersion of Drilling Discharge in the Marine Environment. University of Southern California, Los Angeles, CA. 17 pp. plus appendices

AWARD DATE: 1979 (complete)
TOTAL COST: $10,000
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Dr. Tom Dickey

AFFILIATION: University of Southern California, Department of Geology, Los Angeles, CA
COTR: Mr. John Lane
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CTO-74; 29105

CONTRACT TITLE: California Commercial and Sports Fish Oil Toxicity Study and Monitoring Workshop

REPORT(S): Kanter, R.G., R.C. Wingert, W.H., M.L. Sowby, and C.J. Foley. 1983. California Commercial/Sport Fish and Shell Fish Oil Toxicity Study. Executive Summary. MBC Applied Environmental Sciences, Inc., Costa Mesa, CA. Vol. 1. 26 pp. (NTIS No. PB8416721)

Kanter, R.G., R.C. Wingert, W.H., M.L. Sowby, and C.J. Foley. 1983. California Commercial/Sport Fish and Shell Fish Oil Toxicity Study. Synthesis of Findings. MBC Applied Environmental Sciences, Inc., Costa Mesa, CA. Vol. II. 257 pp. (NTIS No. PB8416722)

AWARD DATE: 09/80 (complete)
TOTAL COST: $1,063,133
PLANNING AREA(S): Northern, Central and Southern California
PROGRAM MANAGER(S): Dr. Robert Kanter
AFFILIATION: MBC Applied Environmental Sciences, Costa Mesa, CA
COTR: Dr. Fred Piltz
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: MBC Applied Environmental Sciences, Inc. 1983. Impact Assessment Report: Commercial and Sports Fish Oil Toxicity Study

CONTRACT NO.: 30056

CONTRACT TITLE: Assessment of the Long-Term Fate and Effective Methods of Mitigation of California OCS Platform Particulate Discharges

REPORT(S): Continental Shelf Associates, Inc. 1985. Assessment of the Long-Term Fate and Effective Methods of Mitigation of California Outer Continental Shelf Platform Particulate Discharges. Continental Shelf Associates, Inc., Ventura, CA. OCS Study MMS 85-0033. 240 pp. plus appendices.

Continental Shelf Associates, Inc. 1985. Assessment of the Long-Term Fate and Effective Methods of Mitigation of California Outer Continental Shelf

Platform Particulate Discharges. Executive Summary. Continental Shelf Associates, Inc., Ventura, CA. OCS Study MMS 85-0033. 22 pp. plus appendices.

AWARD DATE: 09/83 (complete)
TOTAL COST: $219,537
PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Mr. Brian Balcom
AFFILIATION: Continental Shelf Associates, Inc., Ventura, CA
COTR: Dr. Fred Piltz
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30159

CONTRACT TITLE: Adaptations of Marine Organisms to Chronic Hydrocarbon Exposure

REPORT(S): Bauer, J.E., D.D. Hardin, P.A. Montagna, M.A. Palmer, and R.S. Spies. 1989. Adaptations of Marine Organisms to Chronic Hydrocarbon Exposure. Vol. I, 387 pp. OCS Study MMS 89-0089. (NTIS No. PB90263344)

Bauer, J.E., D.D. Hardin, P.A. Montagna, M.A. Palmer, and R.S. Spies. 1989. Adaptations of Marine Organisms to Chronic Hydrocarbon Exposure. Vol. II, 483 pp. OCS Study MMS 89-0089. (NTIS No. PB90263351)

AWARD DATE: 09/84 (complete)
TOTAL COST: $961,738
PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Mr. Dane Hardin
AFFILIATION: Kinnetic Laboratories, Inc., Santa Cruz, CA
SUBCONTRACTOR(S): University of California, Lawrence Livermore Laboratories
COTR: Dr. Fred Piltz and Mr. Martin Golden
AVAILABILITY: NTIS, Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Montagna, P.A., and J.E. Bauer. 1988. Partitioning radiolabeled thymidine uptake by bacteria and meiofauna using metabolic blocks and poisons in benthic feeding studies. Marine Biology 98:101-110.

Montagna, P.A J.E. Bauer, J. Toal, D. Hardin, and R.B. Spies. 1987. Temporal variability and the relationship between benthic meiofaunal and microbial populations of a natural coastal

petroleum seep. Journal of Marine Research 45:761-789

Montagna, P.A., J.E. Bauer, M.C. Prieto, D. Hardin, and R.B. Spies. 1986. Benthic metabolism in a natural coastal petroleum seep. Marine Ecology Progress Series 34:31-40.

Montagana, P.A., J.E. Bauer, D. Hardin, and B. Spies. 1989. Vertical Distribution of microbial and meiofaunal populations in sediments of a natural coastal hydrocarbon seep. J. Mar. Res. 47:657-680.

CONTRACT NO.: 30262

CONTRACT TITLE: Monitoring: Assessment of Long-Term Changes in Biological Communities, Phase II

REPORT(S):

Hyland, J., and J. Neff. 1987. California OCS Phase II Monitoring Program. Year One Annual Report. 1988. Battelle Ocean Services. Vol. I. OCS Study MMS 87-0115. 603 pp. (NTIS No. PB89128151/AS)

Hyland, J., and J. Neff. 1987. California OCS Phase II Monitoring Program. Year-One Annual Report. Appendices. 1988. Vol. II. OCS Study MMS 87-0116. 191 pp. (NTIS No. PB89128169/AS)

Steinhauer, M. and E. Imamura (eds.) 1990. California OCS Phase II Monitoring Program. Year-Three Annual Report. Battelle Ocean Sciences. Vol. I OCS Study MMS 90-0055. 573 pp.

Steinhauer, M. and E. Imamura (eds.) 1990. California OCS Phase II Monitoring Program. Year-Three Annual Report. Battelle Ocean Sciences. Vol. II. Appendices. OCS Study MMS 90-0055. 530 pp.

AWARD DATE: 07/86 (active)
TOTAL COST: $9,170,512
PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Dr. Jeffrey Hyland
AFFILIATION: Battelle Ocean Sciences, Ventura, CA
SUBCONTRACTOR(S): Kinnetic Laboratories, Inc.; Woods Hole Oceanographic Institute
COTR: Dr. Gary Brewer
AVAILABILITY: NTIS, Depository Libraries, Pacific OCS Region (reading copy)

OTHER PUBLICATIONS:

Boesch, D., et al. 1982. Summary and Recommendations of a Conference March 30 and 31, 1982. Minerals Management Service, Pacific OCS Region, Los Angeles, CA

Brewer, G.D., F. Piltz, and J. Hyland. 1987. Monitoring changes in benthic communities adjacent

to OCS oil production platforms off California. Pages 1593-1597 In: Proceedings Oceans 87, Volume 5, Coastal and Estaurine Pollution. Halifax, Nova Scotia

Butman, C.A., J.P. Grassle and C.M. Webb. 1988. Substrate choices made by marine larvae settling in still water and in flume flow. Nature 333(6175): 771-773.

Fuller, C.M., and C.A. Butman. A Simple Technique for Fine-Scale, Vertical Sectioning of Fresh Sediment Cores. 1988. Journal of Sedimentary Petrology 58(4):763-768

Grassle, J.P., and C.A. Butman. Active habitat selection by larvae of the polychaetes, Capitella spp. I and II, in a laboratory flume. In: Reproduction, Genetics and Distributions of Marine Organisms. pp. 107-114.

Hyland, J., D. Hardin, E. Crecelius, D. Drake, P Montagna, and M. Steinhauer. 1990. Monitoring Long-Term Effects of Offshore Oil and Gas Development Along the Southern California Outer Continental Shelf and Slope: Background Environmental Conditions in the Santa Maria Basin. Oil & Chemical Pollution 6(1990):195-240.

Hyland, J., J. Kennedy, J. Campbell, S. Williams, P. Boehm, A. Uhler, and W. Steinhouer. 1989. Environmental Effects of the Pac Baroness Oil and Copper Spill. In: Proceedings: 1989 Oil Spill Conference, February 13-16, 1989, San Antonio, Texas. pp. 413-419

Webb, C.M. Larval swimming and substrate selection in the brittle star Ophioderma brevispinum. In: Reproduction, Genetics and Distributions of Marine Organisms. pp. 217-224.

CONTRACT NO.: 17213

CONTRACT TITLE: Effects of Seismic Energy Releases on the Zoeal Larvae of the Dungeness Crab (Cancer magister).

REPORT(S): Pearson, W., J. Skalski, D. Sulkin, and C. Malme. 1988. Effects of Seismic Energy Releases on the Zoeal Larvae of the Dungeness Crab (Cancer magister). Battelle Memorial Institute for the Department of Fish and Game. Published by the Mediation Institute, Woodland Hills, CA. 242 pp.

AWARD DATE: 07/88 (complete)
TOTAL COST: $70,000
PLANNING AREA(S): All Pacific OCS Region Planning Areas

PROGRAM MANAGER(S): N/A
AFFILIATION: The Mediation Institute, Minerals Management Service; California Department of Fish and Game; NOAA; Province of British Columbia; and numerous industry groups
COTR: Dr. Gary Brewer
AVAILABILITY: Copies of the report are available for $7.50 (plus shipping) from the Mediation Institute, 22231 Mulholland Highway, Suite 207A, Woodland Hills, CA 91364. Attn: Ms. Alana Knaster (Phone: (818) 702-9526).
OTHER PUBLICATIONS: None

CONTRACT NO.: 10217

CONTRACT TITLE: Effects of an OCS Oil and Gas Production Platform on Rocky Reef Fishes and Fisheries

REPORT(S): Brewer, G.D., Dr. and J. Stephens, Jr. 1989. Effects of an OCS Oil and Gas Production Platform on Rocky Reef Fishes and Fisheries, Proceedings Report. Occidental College, Los Angeles, CA.

AWARD DATE: 04/89 (complete)
TOTAL COST: $4,595
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Dr. John Stevens
AFFILIATION: Occidental College, Los Angeles, CA
COTR: Dr. Gary Brewer
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30057b

CONTRACT TITLE: Recovery from Oiling in the Rocky Intertidal Zone along the Washington Coast--Task II

REPORT(S): Active contract

AWARD DATE: 05/89 (active)
TOTAL COST: $104,544
PLANNING AREA(S): Washington-Oregon
PROGRAM MANAGER(S): Mr. Dane Hardin
AFFILIATION: Kinnetic Laboratories, Inc., Santa Cruz, CA
COTR: Ms. Mary Elaine Dunaway
AVAILABILITY: Active contract
OTHER PUBLICATIONS: none

CONTRACT NO.: 10683

CONTRACT TITLE: Monitoring of the Olympic National Park Beaches to Determine Fate and Effects of Spilled Bunker C Fuel Oil

REPORT(S): Kvitek, R.G. 1990. Shallow Subtidal Survey of the Washington Outer Coast and Olympic National Park to Determine the Distribution, Fate, and Effects of Spilled Bunker C Fuel Oil. Battelle/Marine Science Laboratory, Sequim, WA. OCS Study MMS 90-0073. pp.

Strand, J.A., V.I. Cullinan, E.A. Crecelius, T.J. Fortman, R.J. Citterman, and M.L. Fleischmann. 1990. Monitoring of Olympic National Park Beaches to Determine Fate and Effects of Spilled Bunker C Fuel Oil. Battelle/Marine Science Laboratory, Sequim, WA. OCS Study MMS 90-0061. 128 pp.

AWARD DATE: 06/89 (active)
TOTAL COST: $413,056
PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Dr. John Strand
AFFILIATION: U.S. Department of Energy
COTR: Ms. Mary Elaine Dunaway
AVAILABILITY: Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: none

CONTRACT NO.: 30489

CONTRACT TITLE: Effects of OCS Oil and Gas Production Platforms on Rocky Reef Fishes and Fisheries

REPORT(S): Active contract

AWARD DATE: 06/90 (active)
TOTAL COST: $753,005
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Mr. Eiji Imamura
AFFILIATION: University of California, Santa Barbara; Lawrence-Livermore Laboratories; Moss Landing Laboratory; Kinnetic Labs; and Battelle
COTR: Dr. Gary Brewer
AVAILABILITY: Active contract
OTHER PUBLICATIONS: none

BLANK PAGE

6. Geology

CONTRACT NO.: MU5-34

CONTRACT TITLE: Environmental Geology of Selected Areas of the Southern California Continental Borderland

REPORT(S): Clarke Jr., S.H., M.E. Field, F.I. Linker, and H.G. Wagner. 1975. Environmental Geology of Selected Areas of the Southern California Continental Borderland. U.S. Geological Survey. Open File Report No. OF-75-596. 82 pp.; 16 plates plus 6 Appendix sheets.

AWARD DATE: 1975-1977 (complete)
TOTAL COST: $105,900
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Mr. S.H. Clarke, Jr.
AFFILIATION: U.S. Geological Survey, Menlo Park, CA
COTR: Mr. John Lane
AVAILABILITY: U.S. Geological Survey, Menlo Park, CA
OTHER PUBLICATIONS: None

CONTRACT NO.: MU8-09

CONTRACT TITLE: Northern California/Southern Oregon Geologic Hazards and Structure

REPORT(S): Clarke Jr., S.H., M.E. Field, and M.E., White. 1980. Geology and Geologic Hazards of Offshore Eel River Basin, Northern California Continental Margin. U.S. Geological Survey. Open File Report 80-1080.
Clarke Jr., S.H., M.E. Field, and C.A. Hirozawa. 1981. Reconnaissance Geology and Geologic Hazards of the Offshore Coos Bay Basin, Oregon. U.S. Geological Survey, Menlo Park, CA. Open File Report No. 81-898, 90 pp. with oversized plates. USGS Bulletin 1645, 40 pp. with no plates.

AWARD DATE: 02/78 (complete)
TOTAL COST: $131,126
PLANNING AREA(S): Washington-Oregon and Northern California
PROGRAM MANAGER(S): Messrs. S.H. Clarke and M.E. Field
AFFILIATION: U.S. Geological Survey, Menlo Park, CA
COTR: Mr. John Lane
AVAILABILITY: U.S. Geological Survey, Menlo Park, CA
OTHER PUBLICATIONS: None

CONTRACT NO.: MU8-10

CONTRACT TITLE: Erosion and Transport of Sediments and Pollutants on the San Pedro Shelf, Southern California

REPORT(S): Cacchione, D.A., H.A. Karl, and D.E. Drake. 1979. San Pedro Shelf Experiment (SPEX-1). U.S. Geological Survey, Menlo Park, CA. 28 pp. plus appendices.

Karl, H.A., D.A. Cacchione, and D.E. Drake. 1980. Erosion and Transport of Sediments and Pollutants in the Benthic Boundary Layer on the San Pedro Shelf, Southern California. U.S. Geological Survey, Menlo Park, CA. Open File Report 80-386. 98 pp.

AWARD DATE: 02/78 (complete)
TOTAL COST: $237,774
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Messrs. D.A. Cacchione, D.E. Drake, and H.A. Karl
AFFILIATION: U.S. Geological Survey, Menlo Park, CA
COTR: Mr. John Lane
AVAILABILITY: U.S. Geological Survey, Menlo Park, CA
OTHER PUBLICATIONS: None

CONTRACT NO.: MU8-15

CONTRACT TITLE: Southern California Shelf and Ridge Geophysical and Geological Hazards Study

REPORT(S): Clark Jr., S.H., H.G. Greene, M.E. Field, and W.H.D. Lee. 1983. Reconnaissance Geology and Geologic Hazards of Selected Areas of the Southern California Continental Borderland. Open File Report 83-62.

AWARD DATE: 04/78 (complete)
TOTAL COST: $121,684
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Messrs. H.G. Greene, S.H. Clarke, Jr., and M.E. Field
AFFILIATION: U.S. Geological Survey, Menlo Park, CA
COTR: Mr. John Lane
AVAILABILITY: U.S. Geological Survey, Menlo Park, CA
OTHER PUBLICATIONS: None

CONTRACT NO.: MU9-19

CONTRACT TITLE: Geological Hazards Assessment for Proposed Lease Sale 53: Central and Northern California

REPORT(S): McCulloch, D.S., H.G. Greene, K.S. Heston, and D.M. Rubin. 1980. Sale #53, Geologic Summary Report. Open File Report 80-1095. 102 pp.

AWARD DATE: 07/79 (complete)
TOTAL COST: $241,670
PLANNING AREA(S): Northern and Central California
PROGRAM MANAGER(S): Dr. Jerome Foreman
AFFILIATION: U.S. Geological Survey, Menlo Park, CA
COTR: Mr. John Lane
AVAILABILITY: U.S. Geological Survey, Menlo Park, CA
OTHER PUBLICATIONS: None

CONTRACT NO.: IA1-22: 29107

CONTRACT TITLE: California Geological Hazards Assessment: Sales 73 and 80

REPORT(S): Edwards, B.D. 1982. Geologic Hazards in Santa Monica Basin and Part of Santa Barbara Basin, Proposed Lease Sale 80. U.S. Geological Survey, Menlo Park, CA. Report 1. 25 pp. plus 13 plates
McCulloch, D.S. 1982. Geohazards in OCS Lease Sale 73 on the Central California Continental Shelf and Slope. U.S. Geological Survey, Menlo Park, CA. Report 2. 42 pp. plus 16 plates

AWARD DATE: 03/81 (complete)
TOTAL COST: $348,260
PLANNING AREA(S): Northern, Central and Southern California
PROGRAM MANAGER(S): Dr. Brian Edwards
AFFILIATION: U.S. Geological Survey, Menlo Park, CA
COTR: Mr. Richard L. Wilhelmsen
AVAILABILITY: U.S. Geological Survey, Menlo Park, CA
OTHER PUBLICATIONS: None

BEST COPY AVAILABLE

BLANK PAGE

7. Physical Oceanography and Meteorology

CONTRACT NO.: IA9-02

CONTRACT TITLE: Climatological and Oceanographic Analysis of the California Pacific Outer Continental Shelf Region

REPORT(S): Williams, R.G., R.W. Reeves, F.A. Godshall, S.W. Fehler, P.J. Pytlowany, G.R. Halliwell, K.C. Vierra, C.N.K. Mooers, M.D. Earle, and K. Bush. 1980. A Climatology and Oceanographic Analysis of the California Pacific OCS Region. Executive Summary. Technical Report and Appendices. 1182 pp. (NTIS No. PB82192220)

AWARD DATE: 11/78 (complete)
TOTAL COST: $393,700
PLANNING AREA(S): Northern, Central and Southern California
PROGRAM MANAGER(S): Mr. R.G. Williams
AFFILIATION: NOAA, Environmental Data and Information Center, Boulder, CO
COTR: Mr. Richard Wilhelmsen and Dr. Fred Piltz
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Godshall, F.A., and R.G. Williams (eds.). A Climatology and Oceanographic Analysis of the California Pacific Outer Continental Shelf Region. 1980. NOAA, Environmental Data and Information Service. Center for Environmental Assessment Services, Washington D.C.

Mooers, C.N.K., R.G. Williams, K.C. Vierra, and G.R. Halliwell, Jr. 1980. Bibliography for the Coastal Circulation of the Eastern North Pacific. Department of Oceanography, Naval Postgraduate School, Monterey, California 93940. 83 pp.

Newberger, Priscilla, Dr. 1982. Physical Oceanography and Meteorology of the California Outer Continental Shelf. POCS Technical Paper No. 82-2. 48 pp.

CONTRACT NO.: IAO-29; 29097

CONTRACT TITLE: Establishment and Operation of a Northern California Meteorological Buoy Network

REPORT(S): Information on magnetic tape

AWARD DATE: 1980 (complete)
TOTAL COST: $304,100
PLANNING AREA(S): Central and Southern California
PROGRAM MANAGER(S): Mr. Lloyd Ladner

AFFILIATION: NOAA, National Data Buoy Center, Bay St. Louis, MS
COTR: Dr. Fred Piltz
AVAILABILITY: Data available from NDBC and NODC
OTHER PUBLICATIONS: Piltz, F., 1982. Results of the Minerals Management Service-Funded West Coast Meteorological Buoy Monitoring Network. POCS Technical Paper No. 82-3. 587 pp.

CONTRACT NO.: CTO-62

CONTRACT TITLE: California Meteorological Buoy Data Analysis

REPORT(S): Aerocomp, Inc. 1980. Summary and Analysis of Northern California Meteorological Buoy Data. Aerocomp, Inc., Costa Mesa, CA.

AWARD DATE: 09/80 (complete)
TOTAL COST: $38,773
PLANNING AREA(S): Northern California
PROGRAM MANAGER(S): Mr. Joseph Catalano
AFFILIATION: Aerocomp, Inc., Costa Mesa, CA
COTR: Dr. Fred Piltz
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: IA1-40; 29109

CONTRACT TITLE: Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

REPORT(S): Information on magnetic tape

AWARD DATE: 06/81 (complete)
TOTAL COST: $631,000
PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Mr. Lloyd Ladner
AFFILIATION: NOAA, National Data Buoy Center, Bay St. Louis, MS
COTR: Mr. Sigurd Larson
AVAILABILITY: Data available from NDBC and NODC
OTHER PUBLICATIONS: None

CONTRACT NO.: CT1-67; 29113

CONTRACT TITLE: California Shelf Physical Oceanography Circulation Model

REPORT(S): Allen, J.S., R.L. Bernstein, D.B. Chelton, T.D. Dickey, B.M. Hickey, C.N.K. Mooers, and P.P. Niiler. 1984. Recommendations of the Scientific Advisory and Review Panel Following the Second

Scientific Advisory Workshop, California Shelf Physical Oceanography Circulation Model. Dynalysis, Princeton, NJ. December 14-15, 1983. 7 pp.

Allen, J.S., R.L. Bernstein, D.B. Chelton, T.D. Dickey, B.M. Hickey, C.N.K. Mooers, and P.P. Niiler. 1985. California Shelf Physical Oceanography Circulation Model. Appendix D: Scientific Review. Dynalysis, Princeton, NJ. Dynalysis Report No. 88 D, 12 pp. (NTIS No. PB90263831)

Blumberg, A.F., H.J. Herring, L.H. Kantha, and G.L. Mellor. 1982. California Shelf Physical Oceanography Circulation Model--An Interim Report. Dynalysis, Princeton, NJ. Dynalysis Report No. 74, 92 pp.

Blumberg, A.F., H.J. Herring, L.H. Kantha, and G.L. Mellor. 1983. California Shelf Physical Oceanography Circulation Model--First Progress Report. Dynalysis, Princeton, NJ. Dynalysis Report No. 76, 170 pp.

Blumberg, A.F., H.J. Herring, L.H. Kantha, and G.L. Mellor. 1984. California Shelf Physical Oceanography Circulation Model - Vol. 1. Dynalysis, Princeton, NJ. Dynalysis Report No. 88, pp. 1-164. (NTIS No. PB90263732)

Blumberg, A.F., H.J. Herring, L.H. Kantha, and G.L. Mellor. 1984. California Shelf Physical Oceanography Circulation Model - Vol. II. Dynalysis, Princeton, NJ. Dynalysis Report No. 88.2, pp. 165-368. (NTIS No. PB90263740)

Blumberg, A.F., H.J. Herring, L.H. Kantha, and G.L. Mellor. 1984. California Shelf Physical Oceanography Circulation Model--Appendix A: Climatological Atlas, A.1, Horizontal Sections. Dynalysis, Princeton, NJ. Dynalysis Report No. 88, A.1, 190 pp. (NTIS No. PB90263757)

Blumberg, A.F., H.J. Herring, L.H. Kantha, and G.L. Mellor. 1984. California Shelf Physical Oceanography Circulation Model--Appendix A: Climatological Atlas, A.2, Vertical Sections. Dynalysis, Princeton, NJ. Dynalysis Report No. 88, A.2, 104 pp. (NTIS No. PB90263765)

Blumberg, A.F., H.J. Herring. L.H. Kantha, and G.L. Mellor. 1984. California Shelf Physical Oceanography Circulation Model--Appendix B: Diagnostic Model Results, B.1, Seasonal Horizontal Maps. Dynalysis, Princeton, NJ. Dynalysis Report No. 88, B.1, 194 pp. (NTIS No. PB90263773)

Blumberg, A.F., H.J. Herring, L.H. Kantha, and G.L. Mellor. 1984. California Shelf Physical Oceanography Circulation Model--Appendix B: Diagnostic Model Results, B.2, Seasonal Vertical Sections. Dynalysis, Princeton, NJ. Dynalysis Report No. 88, B.2, 170 pp. (NTIS No. PB90263781)

Blumberg, A.F., H.J. Herring, L.H. Kantha, and G.L. Mellor. 1984. California Shelf Physical Oceanography Circulation Model--Appendix B: Diagnostic Model Results, B.3, Annual Distributions. Dynalysis, Princeton, NJ. Dynalysis Report No. 88, B.3, 92 pp. (NTIS No. PB90263799)

Blumberg, A.F., H.J. Herring, L.H. Kantha, and G.L. Mellor. 1984. California Shelf Physical Oceanography Circulation Model--Appendix C: Prognostic Model Results, C.1, Atmospheric Forcing. Dynalysis, Princeton, NJ. Dynalysis Report No. 88, C.1, 172 pp. (NTIS No. PB90263807)

Blumberg, A.F., H.J. Herring, L.H. Kantha, and G.L. Mellor. 1984. California Shelf Physical Oceanography Circulation Model--Appendix C: Prognostic Model Results, C.2, Seasonal Horizontal Maps. Dynalysis, Princeton, NJ. Dynalysis Report No. 88, C.2, 194 pp. (NTIS No. PB90263815)

Blumberg, A.F., H.J. Herring, L.H. Kantha, and G.L. Mellor. 1984. California Shelf Physical Oceanography Circulation Model--Appendix C: Prognostic Model Results, C.3: Seasonal Vertical Sections 3. Dynalysis, Princeton, NJ. Dynalysis Report No. 88, C.3, 170 pp. (NTIS No. PB90263823)

AWARD DATE: 10/81 (complete)
TOTAL COST: $629,874
PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Dr. James Herring
AFFILIATION: Dynalysis of Princeton, Inc., Princeton, NJ
COTR: Mr. Sigurd Larson
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Blumberg, A.F., H.J. Herring, L.H. Kantha, and G.L. Mellor. 1985. 3-D Orthogonal Curvilinear Circulation Modelling. Proceedings of the 1985 ASCE Hydraulics Division Specialty Conference, Hydrolics and Hydrology in the Small Computer Age, Lake Buena Vista, FL. August 12-17, 1985.

Blumberg, A.F., and G.L. Mellor. 1987. A description of a three dimensional coastal circulation model. In: Three-Dimensional Shelf Models, Coastal and Estuarine Sciences. N. Heaps,

Ed., American Geophysical Union. Washington, D.C. pp 1-16.

CONTRACT NO.: IA2-02; 29026

CONTRACT TITLE: Central California Nearshore Current Study

REPORT(S): Bird, A.A., R.J. Koob, J.B. Wickham, and C.N.K. Mooers. 1984. Hydrographic Data From the Slope Waters Off Central California, 26 November 1978 - 26 June 1980. Naval Postgraduate School, Monterey, CA. NPS 68-84-010. 88 pp.
Bird, A.A., J.B. Wickham, J.S. Bottero, G. Pittock, R.L. Smith, and C.N.K. Mooers. 1984. Current Meter Data From the Slope Waters Off Central California, 25 July 1978 - 1 June 1980. Naval Postgraduate School, Monterey, CA. NPS 68-84-012. 324 pp.

AWARD DATE: 11/78 (complete)
TOTAL COST: $74,000
PLANNING AREA(S): Central California
PROGRAM MANAGER(S): Mr. C. N. Mooers
AFFILIATION: Naval Postgraduate School, Monterey CA.
COTR: Mr. Sigurd Larson
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Wickham, J.B., A.A. Bird, and C.N.K. Mooers. Mean and variable flow over the central California continental margin, 1978-1980. Continental Shelf Research 7(8):827-849.

CONTRACT NO.: IA2-12; 29117

CONTRACT TITLE: Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

REPORT(S): Information on magnetic tape

AWARD DATE: 03/82 (complete)
TOTAL COST: $648,700
PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Mr. Lloyd Ladner
AFFILIATION: NOAA, National Data Buoy Center, Bay St. Louis, MS
COTR: Mr. Sigurd Larson
AVAILABILITY: Data available from NDBC and NODC
OTHER PUBLICATIONS: None

CONTRACT NO.: CT2-54 - 29122

CONTRACT TITLE: Evaluation of Effluent Dispersion and Fate Models for OCS Platforms

REPORT(S): Ware, R.R. (Manager). 1983. An Evaluation of Effluent Dispersion and Fate Models for OCS Platforms. Proceedings of the Workshop, Feb. 7-10, 1983. Santa Barbara, CA. Summary and Recommendations. MBC Applied Environmental Sciences, Inc. Vol. I. 70 pp. plus appendices

Ware, R.R. (Manager). 1983. An Evaluation of Effluent Dispersion and Fate Models for OCS Platforms. Proceedings of the Workshop, Feb. 7-10, 1983. MBC Applied Environmental Sciences, Inc. Santa Barbara, CA. Contributed Papers. Vol. II. 232 pp.

AWARD DATE: 09/82 (complete)
TOTAL COST: $56,868
PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Mr. Rick Ware
AFFILIATION: MBC Applied Environmental Scientists, Costa Mesa, CA
COTR: Dr. Fred Piltz
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT2-63; 29123

CONTRACT TITLE: Santa Barbara Channel Circulation Model and Field Study

REPORT(S): Blumberg, A.F., D.E. Cover, J.T. Gunn, P. Hamilton, H.J. Herring, L.H. Kantha, G.L. Mellor, R.D. Muench, L.E. Piper, G.R. Stegen, and E. Waddell. 1985. Santa Barbara Chennel Circulation Model and Field Study - Pilot Program. Dynalysis, Princeton, NJ. Dynalysis Report No. 86. 148 pp.

Blumberg, A.F., D.E. Cover, J.T. Gunn, P. Hamilton, H.J. Herring, L.H. Kantha, G.L. Mellor, R.D. Muench, L.E. Piper, G.R. Stegen, and E. Waddell. 1983. Santa Barbara Chennel Circulation Model and Field Study. Interim Report. Dynalysis, Princeton, NJ. Dynalysis Report No. 79. 160 pp.

Blumberg, A.F., D.E. Cover, J.T. Gunn, P. Hamilton, H.J. Herring, L.H. Kantha, G.L. Mellor, R.D. Muench, L.E. Piper, G.R. Stegen, and E. Waddell. 1983. Santa Barbara Chennel Circulation Model and Field Study. Executive Summary. Interim Report.

Dynalysis, Princeton, NJ. Dynalysis Report No. 78. 27 pp.

Brink, K.H., B.M. Hickey, C.N.K. Mooers, and J.J. Simpson. 1987. Santa Barbara Channel Circulation Model and Field Study. Appendix F: Scientific Review. Dynalysis, Princeton, NJ. Dynalysis Report No. 92.F. 11 pp. (NTIS No. PB89213714/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1986. Santa Barbara Channel Circulation Model and Field Study. Appendix B: Climatology. Dynalysis, Princeton, NJ. Dynalysis Report No. 92 B. OCS Study MMS 87-0092. 66 pp. (NTIS No. PB89213573/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1986. Santa Barbara Channel Circulation Model and Field Study, Appendix C: Observational Data. C.1: Hydrography. Dynalysis, Princeton, NJ. Dynalysis Report No. 92 C.1. OCS Study MMS 87-0093. 124 pp. (NTIS No. PB89213581/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, Lagerloef, G.S.E., G.L. Mellor, R.D. Muench, and G.R. Stegen. 1986. Santa Barbara Channel Circulation Model and Field Study. Appendix C: Observational Data. C.2: Current Meter Data Products. Dynalysis, Princeton, NJ. Dynalysis Report No. 92 C.2. OCS Study No. MMS 87-0094. 222 pp. (NTIS No. PB89213599/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1986. Santa Barbara Channel Circulation Model and Field Study. Appendix C: Observational Data. C.3: Drifter Data. Dynalysis, Princeton, NJ. Dynalysis Report No. 92 C.3. OCS Study MMS 87-0095. 38 pp. (NTIS No. PB89213706/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1986. Santa Barbara Channel Circulation Model and Field Study. Appendix C: Observational Data. C.4: Wave Spectra. Dynalysis, Princeton, NJ. Dynalysis Report No. 92 C.4. OCS Study MMS 87-0096. 118 pp. (NTIS No. PB89213607/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1986. Santa Barbara Channel Circulation Model and Field Study. Appendix D:

Computational Data. D.1: Daily Horizontal Sections: Winter. Dynalysis, Princeton, NJ. Dynalysis Report No. 92 D.1. OCS Study MMS 87-0097. 134 pp. (NTIS No. PB89213615/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1986. Santa Barbara Channel Circulation Model and Field Study. Appendix D: Computational Data. D.2: Daily Horizontal Sections: Spring. Dynalysis, Princeton, NJ. Dynalysis Report No. 92 D.2. OCS Study MMS 87-0098. 186 pp. (NTIS No. PB89213623/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1986. Santa Barbara Channel Circulation Model and Field Study. Appendix D: Computational Data. D.3: Daily Horizontal Summer. Dynalysis, Princeton, NJ. Dynalysis Report No. 92 D.3. OCS Study MMS 87-0099. 116 pp. (NTIS No. PB89213631/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1986. Santa Barbara Channel Circulation Model and Field Study. Appendix D: Computational Data. D.4: Daily Horizontal Sections: Fall. Dynalysis, Princeton, NJ. Dynalysis Report No. 92 D.4. OCS Study MMS 87-0100. 188 pp. (NTIS No. PB89213649/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1986. Santa Barbara Channel Circulation Model and Field Study. Appendix D: Computational Data. D.5: Monthly and Seasonal Averages. Dynalysis, Princeton, NJ. Dynalysis Report No. 92 D.5. OCS Study MMS 87-101. 152 pp. (NTIS No. PB89213656/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1986. Santa Barbara Channel Circulation Model and Field Study. Appendix D. Computational Data. D.6: Time Series. Dynalysis, Princeton, NJ. Dynalysis Report No. 92 D.6. OCS Study MMS 87-0102. 168 pp. (NTIS No. PB89213664/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1986. Santa Barbara Channel Circulation Model and Field Study. Appendix D: Computational Data. D.7: Spectra. Dynalysis,

Princeton, NJ. Dynalysis Report No. 92 D.7. OCS Study MMS 87-0103. 84 pp. (NTIS No. PB89213672/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1986. Santa Barbara Channel Circulation Model and Field Study. Appendix D: Computational Data. D.8. Diagnostic Results. Dynalysis, Princeton, NJ. Dynalysis Report No. 92 D.8. OCS Study MMS 87-0104. 22 pp. (NTIS No. PB89213680/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1986. Santa Barbara Channel Circulation Model and Field Study. Appendix E.1: Horizontal Distributions. Dynalysis, Princeton, NJ. Dynalysis Report No. 92 E.1. OCS Study MMS 87-0105. 190 pp. (NTIS No. PB89213698/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1986. Santa Barbara Channel Circulation Model and Field Study. Appendix E.2: Time Series and Spectra. Dynalysis, Princeton, NJ. Dynalysis Report No. 92 E.2. OCS Study MMS 87-0106. 134 pp. (NTIS No. PB89213722/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1987. Santa Barbara Channel Circulation Model and Field Study Vol. I. Dynalysis, Princeton, NJ. OCS Study MMS 87-0089. pp. 1-176. (NTIS No. PB89213540/AS)

Gunn, J.T., P. Hamilton, H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1987. Santa Barbara Channel Circulation Model and Field Study Vol. II. Dynalysis, Princeton, NJ. OCS Study MMS 87-0090. pp. 177-394. (NTIS No. PB89213557/AS)

Hamilton, P., H.J. Herring, L.H. Kantha, G.S.E. Lagerloef, G.L. Mellor, R.D. Muench, and G.R. Stegen. 1985. Santa Barbara Channel Circulation Model and Field Study. Appendix A: Pilot Program. Dynalysis, Princeton, NJ. Dynalysis Report No. 92.A (86). OCS Study MMS 87-0091. 148 pp. (NTIS No. PB89213565/AS)

AWARD DATE:	09/82 (complete)
TOTAL COST:	$2,491,468
PLANNING AREA(S):	Southern California
PROGRAM MANAGER(S):	Dr. J. Herring
AFFILIATION:	Dynalysis of Princeton, Princeton, NJ
SUBCONTRACTOR(S):	Science Application, Inc.

COTR: Mr. Sigurd Larson
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Blumberg, A.F., L.H. Kantha, H.J. Herring, and G.L. Mellor. 1983. A Hindcast of the Circulation in the Santa Barbara Channel During Spring 1983. In: Proceedings of a Symposium on Applications of Real-Time Oceanographic Circulation Modelling. The Johns Hopkins University Applied Physics Laboratory, Laurel, Maryland, May 23-24, 1985.

Brink, K.H., and R.D Muench. 1986. Circulation in the Point Conception - Santa Barbara Channel Region. Journal Geophysical Research 91 (C1): 887-895.

Kantha, L.H., A.F. Blumberg, H.J. Herring, and G.R. Stegen. 1984. The Use and Testing of a Model for the Upper Ocean Dynamics. In: "The Ocean Surface." Toba, Y. and H. Mitsuyasu, (eds.) D. Reidel Publishing Co., pp. 547-552.

Mellor, G.L., A.F. Blumberg. 1985. Modeling Vertical and Horizontal Diffusivities with the Sigma Coordinate System. Monthly Weather Review. 113(8):1379-1383.

CONTRACT NO.: 30008 (Interagency Agreement)

CONTRACT TITLE: Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

REPORTS(S): Information on magnetic tape

AWARD DATE: 04/83 (complete)
TOTAL COST: $700,000
PLANNING AREA(S): Northern, Central and Southern California
PROGRAM MANAGER(S): Mr. Lloyd Ladner
AFFILIATION: NOAA, National Data Buoy Center, Bay St. Louis, MS
COTR: Mr. Sigurd Larson
AVAILABILITY: Data available from NDBC and NODC
OTHER PUBLICATIONS: None

CONTRACT NO.: 30020

CONTRACT TITLE: Central California Coastal Circulation Study

REPORT(S): Tait, R, N. Plutchak, A. Bratkovich, R. Bernstein, and D. Chelton. 1985. Central California Coastal Circulation Study. Executive Summary. Progress Report to MMS. Raytheon Service Co., Ventura, CA. 22 pp.

AWARD DATE: 09/83 (complete)
TOTAL COST: $3,080,932
PLANNING AREA(S): Central and Southern California
PROGRAM MANAGER(S): Dr. Robert Tait
AFFILIATION: Raytheon Service Co., Ventura, CA
SUBCONTRACTOR(S): Seaspace; Aero Marine Surveys; Oregon State University; University of Southern California
COTR: Mr. Sigurd Larson
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Chelton, D.B., A. Bratkovich, R.L. Bernstein, and P.M. Kosro. Poleward Flow Off Central California during the Spring and Summer of 1981 and 1984. Journal of Geophysical Research 93(C9):10, 604-10,620

Chelton, D.B., R.L. Bernstein, A. Bratkovich, and P.M. Kosro. The Central California Coastal Circulation Study. 1987. EOS Transactions. American Geophysical Union 68(1):1, 12-13.

CONTRACT NO.: 30143 (Interagency Agreement)

CONTRACT TITLE: Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

REPORT(S): Information on magnetic tape

AWARD DATE: FY 1984 (continuation of Contract No. 30008) (complete)
TOTAL COST: $684,600
PLANNING AREA(S): Northern, Central and Southern California
PROGRAM MANAGER(S): Mr. Lloyd Ladner
AFFILIATION: NOAA, National Data Buoy Center, Bay St. Louis, MS
COTR: Mr. Sigurd Larson
AVAILABILITY: Data available from NDBC and NODC
OTHER PUBLICATIONS: None

CONTRACT NO.: 30248 (Interagency Agreement)

CONTRACT TITLE: Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

REPORT(S): Information on magnetic tape

AWARD DATE: FY 1985 (continuation of Contract No. 30143) (complete)
TOTAL COST: $670,000
PLANNING AREA(S): Northern, Central and Southern California
PROGRAM MANAGER(S): Mr. Lloyd Ladner
AFFILIATION: NOAA, National Data Buoy Center, Bay St. Louis, MS
COTR: Mr. Sigurd Larson

AVAILABILITY: Data available from NDBC and NODC
OTHER PUBLICATIONS: None

CONTRACT NO.: 30303 (Interagency Agreement)

CONTRACT TITLE: Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

REPORT(S): Information on magnetic tape

AWARD DATE: FY 1986 (complete)
TOTAL COST: $681,907
PLANNING AREA(S): Northern, Central and Southern California
PROGRAM MANAGER(S): Mr. Lloyd Ladner
AFFILIATION: NOAA, National Data Buoy Center, Bay St. Louis, MS
COTR: Mr. Sigurd Larson
AVAILABILITY: Data available from NDBC and NODC
OTHER PUBLICATIONS: None

CONTRACT NO.: 30312

CONTRACT TITLE: Northern California Coastal Circulation Study

REPORT(S):

Magnell, B.A. J.F. Borchardt, C.L. Greengrove, C. Winant, N.A. Bray, C.E. Dorman, and R.L. Bernstein. 1990. The Northern California Coastal Circulation Study: Results of the Pilot Program. EG&G Washington Analytical Service Center, Inc. Walthan, Massachusetts. OCS Study MMS 89-0008. 270 pp. (NTIS No. PB90261678)

Magnell, B.A. J.F. Borchardt, C.L. Greengrove, C. Winant, N.A. Bray, C.E. Dorman, and R.L. Bernstein. 1990. The Northern California Coastal Circulation Study: Results of the Pilot Program. EG&G Washington Analytical Service Center, Inc. Walthan, Massachusetts. OCS Study MMS 89-0011. 21 pp. (NTIS No. PB90261660)

Magnell, B.A. J.F. Borchardt, C.L. Greengrove, J.M. Federiuk, J.B. Andrews, C. Winant, N.A. Bray, and E. D. Kinsella. 1990. Northern California Coastal Circulation Study: Data Report No. 3, Main Measurement Program, August 1988 - March 1989, Volume 1: Lagrangian and Hydrographic Observations, Volume 2: Moored Instrument, Meteorological, and Sea Level Observations. 344 pp.

Magnell, B.A. J.F. Borchardt, C.L. Greengrove, J.M. Federiuk, J.B. Andrews, C. Winant, N.A. Bray, and E. D. Kinsella. 1990. Northern California Coastal Circulation Study: Data Report No. 4, Main

Measurement Program, August 1988 - March 1989, Volume 1: Lagrangian and Hydrographic Observations, Volume 2: Moored Instrument, Meteorological, and Sea Level Observations. 416 pp.

AWARD DATE: 09/86 (active)
TOTAL COST: $5,074,767
PLANNING AREA(S): Northern and Central California
PROGRAM MANAGER(S): Dr. Bruce Magnell
AFFILIATION: EG&G Washington Analytic Services Center, Inc., Waltham, MA
SUBCONTRACTOR(S): Aero Marine; Scripps Institute of Oceanography; San Diego State University; SeaSpace, Inc.
COTR: Mr. Sigurd Larson
AVAILABILITY: Active contract
OTHER PUBLICATIONS: Ryther, J.H., B.A. Magnell, C.L. Greengrove, and C.A. Winant. 1988. Real Time Data Telemetry. Sea Technology 29(8):10-16.
The NCCCS Group. 1990. Convergent Shelf Flow at Cape Mendocino. Oceanography 3(1)9-11.

CONTRACT NO.: 30322

CONTRACT TITLE: Coastal Wave Statistical Data Base

REPORT(S): Earle, M.D., and J.D. Eckard, Jr. 1988. Coastal Wave Statistical Data Base. Executive Summary. Vol. I. OCS Study MMS 88-0018. 11 pp. (NTIS No. PB89103253/AS)
Earle, M.D., and J.D. Eckard, Jr. 1988. Coastal Wave Statistical Data Base. Description, Application, and User's Guide. Vol. II. OCS Study MMS 88-0019. 88 pp. (NTIS No. PB89103261/AS)
Earle, M.D., and J.D. Eckard, Jr. 1988. Coastal Wave Statistical Data Base. Software Documentation. Vol. III. OCS Study MMS 88-0020. 98 pp. (Unavailable)

AWARD DATE: 09/86 (complete)
TOTAL COST: $231,848
PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Dr. Marshall Earle
AFFILIATION: MEC Systems Corporation, Manassas, VA
COTR: Mr. Sigurd Larson
AVAILABILITY: NTIS, Depository Libraries, Pacific OCS Region (reading copy) (Vol. III-contact Mr. Larson)
OTHER PUBLICATIONS: None

CONTRACT NO.: 14906

CONTRACT TITLE: Central California Coastal Circulation Study

REPORT(S): Production of Hydrographic and Drifter Data Reports. Data Reports 126-130, Oregon State University

AWARD DATE: 05/89 (complete)
TOTAL COST: $5,318
PLANNING AREA(S): Central California
PROGRAM MANAGER(S): Dr. Dudley Chelton
AFFILIATION: Oregon State University
COTR: Mr. Sigurd Larson
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30352 (Interagency Agreement)

CONTRACT TITLE: Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

REPORT(S): Information on magnetic tape

AWARD DATE: FY 1987 (complete)
TOTAL COST: $715,907
PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Mr. Lloyd Ladner
AFFILIATION: NOAA, National Data Buoy Center, Bay St. Louis, MS
COTR: Mr. Sigurd Larson
AVAILABILITY: Data available from NDBC and NODC
OTHER PUBLICATIONS: None

CONTRACT NO.: 30389

CONTRACT TITLE: Coastal Circulation Along Washington and Oregon

REPORT(S):
Short, K.S. and L.E. Hachmeister. 1988. Executive Summary. Envirosphere Company, Bellevue, WA. Vol. 1. OCS Study MMS 88-0059. 9 pp. (NTIS No. PB89126650/AS)
Short, K.S. and L.E. Hachmeister. 1988. Project Description, Analysis, and Recommendations. Envirosphere Company, Bellevue, WA. Vol. 2. OCS Study MMS 88-0059. 62 pp. (NTIS No. PB89126668/AS)
Short, K.S. and L.E. Hachmeister. 1988. Appendices. Envirosphere Company, Bellevue, WA. Vol. 3. OCS Study MMS 88-0059. 414 pp. (NTIS No. PB89126676/AS)

AWARD DATE: 09/87 (complete)
TOTAL COST: $133,469
PLANNING AREA(S): Washington-Oregon
PROGRAM MANAGER(S): Mr. Lon Hachmeister
AFFILIATION: Envirosphere Company, Bellevue, WA
COTR: Mr. Sigurd Larson
REPORT(S): Information on magnetic tape
AVAILABILITY: NTIS, Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30397

CONTRACT TITLE: Modeling the Circulation in the Southern California Bight

REPORT(S): Active contract

AWARD DATE: 09/87 (active)
TOTAL COST: $520,075
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Dr. James Herring
AFFILIATION: Dynalysis of Princeton, Inc., Princeton, NJ
COTR: Mr. Sigurd Larson
AVAILABILITY: Active contract
OTHER PUBLICATIONS: None

CONTRACT NO.: 30384

CONTRACT TITLE: An Initial Statistical Characterization of the Variability of Coastal Winds and Currents

REPORT(S): Active contract

AWARD DATE: 03/88 (active)
TOTAL COST: $254,713
PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Dr. Christopher Miller
AFFILIATION: Greenhorn and O'Mara, Inc., Greenbelt, MD
SUBCONTRACTOR(S): University of Wyoming; Harvard University; San Diego State University
COTR: Mr. Sigurd Larson
AVAILABILITY: Active contract
OTHER PUBLICATIONS: None

CONTRACT NO.: 30425 (Interagency Agreement)

CONTRACT TITLE: Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

REPORT(S): Information on magnetic tape

AWARD DATE: FY 1988 (complete)
TOTAL COST: $700,000
PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Mr. Lloyd Ladner
AFFILIATION: NOAA, National Data Buoy Center, Bay St. Louis, MS
COTR: Mr. Sigurd Larson
AVAILABILITY: Data available from NDBC and NODC
OTHER PUBLICATIONS: None

CONTRACT NO.: 30473 (Interagency Agreement)

CONTRACT TITLE: Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

REPORT(S): Information on magnetic tape

AWARD DATE: 03/89 (active)
TOTAL COST: $952,000
PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Mr. Lloyd Ladner
AFFILIATION: NOAA, National Data Buoy Center, Bay St. Louis, MS
COTR: Mr. Sigurd Larson
AVAILABILITY: Data available from NDBC and NODC
OTHER PUBLICATIONS: None

CONTRACT NO.: 30474

CONTRACT TITLE: The CCCCS Pressure Field and Its Relation to Circulation

REPORT(S): Brown, W.S. 1990. A Study of the CCCCS Pressure Field and Its Relation to Circulation. Ocean Process Analysis Laboratory, Institute for the Study of Earth, Oceans and Space, University of New Hampshire, Durham, NH. OCS Study MMS 90-0021. 75 pp.

AWARD DATE: 05/89 (complete)
TOTAL COST: $50,000
PLANNING AREA(S): Southern and Central California
PROGRAM MANAGER(S): Dr. Wendell Brown
AFFILIATION: University of New Hampshire, Ocean Process Analysis Laboratory
COTR: Mr. Sigurd Larson
AVAILABILITY: Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

8. Program Support and Information Management

CONTRACT NO.: CT5-14

CONTRACT TITLE: Southern California Public Meeting

REPORT(S): Lavenberg, R.J., and S.A. Earle (Editors). 1975. Proceedings: Recommendations for Baseline Research in Southern California Relative to Offshore Resource Development. December 5-7, 1974. Southern California Academy of Sciences, Los Angeles, CA. 258 pp.

AWARD DATE: 10/74 (complete)
TOTAL COST: $18,996
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Dr. Murray Dailey
AFFILIATION: Southern California Academy of Sciences, Los Angeles, CA
COTR: Mr. Herb Hyatt
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT6-41

CONTRACT TITLE: Northern California Public Meeting

REPORT(S): Niesen, T.M. (Editor). 1977. Proceedings: Recommendations for Baseline Research in Central and Northern California Relative to Offshore Resource Development. October 22-24, 1976. San Francisco State University, San Francisco, CA. 280 pp.

AWARD DATE: 09/76 (complete)
TOTAL COST: $35,053
PLANNING AREA(S): Northern California
PROGRAM MANAGER(S): Dr. James Kelly
AFFILIATION: San Francisco State University, San Francisco, CA
COTR: Dr. N. Jay Bassin
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT6-54

CONTRACT TITLE: Workshop: Recommendation for Baseline Research in Washington/Oregon Relative to Offshore Resource Development

REPORT(S): The Research Triangle Institute. 1977. Recommendations for Baseline Research in Washington and Oregon Relative to Offshore Resource Development - Public Meeting, December 15-17, 1976. Portland, Oregon. The Research Triangle Institute. 308 pp.

AWARD DATE: 09/76 (complete)
TOTAL COST: $33,693
PLANNING AREA(S): Washington-Oregon
PROGRAM MANAGER(S): Messrs. Martin Massoglia and Robert Holton
AFFILIATION: The Research Triangle Institute, Portland, OR
COTR: Mr. Monte Jordan
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30021

CONTRACT TITLE: First Annual Environmental Studies Information Transfer Meeting

REPORT TITLE(S): Science Applications, Inc. 1985. Proceedings of the First Annual Minerals Management Service Studies Information Transfer Meeting, Pacific OCS Region, December 11-13, 1984. Science Applications International Corporation. OCS Study MMS 85-0035, 66 pp.

AWARD DATE: 10/84 (complete)
TOTAL COST: $47,827
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Unknown
AFFILIATION: Science Applications, Inc., La Jolla, CA
COTR: Dr. Fred Piltz
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30205

CONTRACT TITLE: Environmental Data Management System for the Pacific Region

REPORT(S): Not applicable

AWARD DATE: 11/84 (complete)
TOTAL COST: $199,998
PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Dr. James A. Donaldson
AFFILIATION: Howard University, Washington, DC
COTR: Mr. Martin Golden and Dr. Fred Piltz

AVAILABILITY: Not applicable
OTHER PUBLICATIONS: None

CONTRACT NO.: 30263

CONTRACT TITLE: Environmental Studies Information Transfer Meeting

REPORT(S): MBC Applied Environmental Sciences. 1986. Proceedings: Pacific OCS Region Studies Information Transfer and Exchange Meeting, December 1985. MBC Applied Environmental Sciences, Costa Mesa, CA. OCS Study MMS 86-0007. 94 pp. plus appendices.

AWARD DATE: 10/85 (complete)
TOTAL COST: $47,827
PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Mr. Rick Ware
AFFILIATION: MBC Applied Environmental Sciences, Costa Mesa, CA
COTR: Mr. James Turner
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30327

CONTRACT TITLE: Pacific OCS Region Information Transfer Meeting (1987/1989)

REPORT(S): MBC Applied Environmental Sciences. 1987. Pacific OCS Region 1987 Information Transfer Meeting Proceedings of a Conference 4-6 May, 1987. MBC Applied Environmental Sciences, Costa Mesa, CA. OCS Study MMS 87-0076. 205 pp. plus appendices. (NTIS No. PB89103246/AS)

MBC Applied Environmental Sciences. 1989. Pacific OCS Region Fourth Information Transfer Meeting Conference Proceedings, Offshore Oil and Gas: Risks and Benefits. MBC Applied Environmental Sciences, Costa Mesa, CA. OCS Study MMS 89-0069. 206 pp. (NTIS No. PB90161779/AS)

MBC Applied Environmental Sciences. 1990. Pacific OCS Region Fifth Information Transfer Meeting Conference Proceedings. MBC Applied Environmental Sciences, Costa Mesa, CA. OCS Study MMS 90-0066. pp.

AWARD DATE: 09/86 (active)
TOTAL COST: $354,253
PLANNING AREA(S): All Pacific OCS Planning Areas
PROGRAM MANAGER(S): Mr. Robert R. Ware

AFFILIATION: MBC Applied Environmental Sciences, Costa Mesa, CA
COTR: Mr. Neville Chow; Dr. Fred Piltz; Mr. Gordon Reetz and Ms. Mary Elaine Dunaway
AVAILABILITY: NTIS, Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30368

CONTRACT TITLE: Conference/Workshop on Recommendations for Studies in Washington and Oregon Relative to Offshore Oil and Gas Development

REPORT(S): Bio/Tech Communications. 1988. Proceedings: Conference/Workshop on Recommendations for Studies in Washington and Oregon Relative to Offshore Oil and Gas Development, May 1988. Bio/Tech Communications, BioSystems Analysis, Inc., Portland, OR. OCS Study MMS 88-0090. 228 pp. (NTIS No. PB89192967/AS)

AWARD DATE: 09/87 (complete)
TOTAL COST: $80,846
PLANNING AREA(S): Washington-Oregon
PROGRAM MANAGER(S): Ms. Janet Mandaville and Dr. Paul Fishman
AFFILIATION: Bio Tech Communications, Portland, OR
SUBCONTRACTORS: Fishman Environmental Services
COTR: Mr. Martin Golden
AVAILABILITY: NTIS, Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30471

CONTRACT TITLE: Southern California Educational Initiative

REPORT(S): Active contract

AWARD DATE: 06/89 (active)
TOTAL COST: $2,581,000
PLANNING AREA(S): All Pacific OCS Planning Areas
PROGRAM MANAGER(S): Dr. Russ Schmitt
AFFILIATION: University of California, Santa Barbara, Santa Barbara, CA; U.C. Davis; U.C. Berkeley; Lawrence Livermore Laboratories
COTR: Dr. Fred Piltz
AVAILABILITY: Active contract
OTHER PUBLICATIONS: Burban, Y.P., Y. Xu, J. McNeil and W. Lick. 1990. Settling Speeds of Flocs in Fresh and Sea Waters. J. Geophysical Research 95:18213-18220.

Caswell, M. F. In Press. Co-Development of Coastal Resource: Oil vs. Mariculture. Contemporary Policy Issues

Fan, T. W-M., R.M. Higashi, and J.M. MacDonald. In Press. Emergence and Recovery Response of Phosphate Metabolites and Intracellular pH in Intact *Mytilus edulis* as Examined In Situ by Vivo ^{31}P NMR. Biochemica et Biophysica Acta.

Lima, J. and J. Wooley. In Press. Santa Barbara County and Offshore Oil Development -- Applicabilty of the Lessons to Other Communities. Coastal Zone 91.

Smith, D.R., S. Niemeyer, and A.R. Flegal. In Press. Lead Sources to California Sea Otters: Industrial Inputs Circumvent Natural Lead Biodepletion Mechanisms. Environmental Research.

Stewart-Oaten, A., J.R. Bence, and C. Osenberg. In Press. Detecting Effects of Unreplicated Perturbations: Is Randomized Intervention Analysis a Simple Solution?. Ecology.

Xu, Y. 1991. The Transport Properties of Fine-Grained Sediments. PhD. Dissertation. University of California. Santa Barbara.

CONTRACT NO.: 30525

CONTRACT TITLE:	Pacific OCS Region Information Transfer Meeting (1991/1995)
REPORT(S):	Active contract
AWARD DATE:	09/90 (active)
TOTAL COST:	$225,615
PLANNING AREA(S):	All Pacific OCS Planning Areas
PROGRAM MANAGER(S):	Ms. Kathy Mitchell
AFFILIATION:	MBC Applied Environmental Sciences, Costa Mesa, CA
COTR:	Ms. Mary Elaine Dunaway
AVAILABILITY:	Active contract
OTHER PUBLICATIONS:	None

BLANK PAGE

9. Social Sciences and Economics

CONTRACT NO.: CT7-32

CONTRACT TITLE: Southern California Bight Archaeological Literature Survey and Sensitivity Zone Mapping

REPORT(S): Mishuck, E., et al. 1978. Archaeological Literature Survey and Sensitivity Zone Mapping of the Southern California Bight Area. Technical Report. Science Applications, Inc., La Jolla, CA. Vol I. 313 pp. (NTIS No. PB290741/8)
Mishuck, E., et al. 1978. Archaeological Literature Survey and Sensitivity Zone Mapping of the Southern California Area. Appendices. Science Applications, Inc., La Jolla, CA. Vol II. 964 pp. (NTIS No. PB294518)

AWARD DATE: 05/77 (complete)
TOTAL COST: $100,641
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Mr. Eli Mishuck
AFFILIATION: Science Applications, Inc., La Jolla, CA
COTR: Dr. N. Jay Bassin
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT9-03

CONTRACT TITLE: Land Use and Economic Impacts in the San Francisco Bay Area Region

REPORT(S): Wambem, D., and M. Osborn. 1980. Land Use and Economic Impacts in the San Francisco Bay Area Region

AWARD DATE: 09/79 (complete)
TOTAL COST: $9,416
PLANNING AREA(S): Northern and Central California
PROGRAM MANAGER(S): Mr. Stan Hoffman, AMBAG
AFFILIATION: Association of Monterey Bay Area Governments, Oakland, CA
COTR: Messrs. John Lane and Bill Peters
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: Peters, W.E. 1980. Onshore Economic Impact Analysis of Proposed OCS Sale No. 53 for Central and Northern California. 1980. POCS Reference Paper No. 53-3, 157 pp.

CONTRACT NO.: CTO-01

CONTRACT TITLE: Santa Barbara Channel Prehistoric Mapping Study

REPORT(S): Report in the form of maps

AWARD DATE: 01/81 (complete)
TOTAL COST: $4,100
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Mr. Jack Hunter
AFFILIATION: Unknown
COTR: Mr. Martin Golden
AVAILABILITY: Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CTO-63: 29019

CONTRACT TITLE: California Coastal Recreation and Aesthetic Resources Study

REPORT(S):
The Granville Corporation. 1981. Inventory and Evaluation of California Coastal Recreation and Aesthetic Resources. Final Report. Vol. 1. Executive Summary. The Granville Corporation, Washington, DC. POCS Technical Paper No. 81-5. 19 pp. (NTIS No. PB82192295)
The Granville Corporation. 1981. Inventory and Evaluation of California Coastal Recreation and Aesthetic Resources. Synthesis of Findings. The Granville Corporation, Washington, DC. Vol. II. POCS Technical Paper No. 81-5. 312 pp. (NTIS No. PB82192303)
The Granville Corporation. 1981. Inventory and Evaluation of California Coastal Recreation and Aesthetic Resources. Appendices. The Granville Corporation, Washington, DC. Vol. III. POCS Technical Paper No. 81-5. 346 pp. (NTIS No. PB82192303)

AWARD DATE: 09/80 (complete)
TOTAL COST: $235,976
PLANNING AREA(S): Northern, Central, and Southern California
PROGRAM MANAGER(S): Dr. Ted Miller
AFFILIATION: The Granville Corporation, Washington, DC
COTR: Mr. Martin Golden
AVAILABILITY: NTIS, Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: CT1-01

CONTRACT TITLE: The Impacts of Proposed OCS Lease Sale No. 68 on Public Services in Santa Barbara County

REPORT(S): Blayney-Dyett. 1981. The Impacts of Proposed OCS Lease Sale No. 68 on Public Services in Santa Barbara and Ventura Counties. POCS Technical Paper No. 81-4. 111 pp.

AWARD DATE: 01/81 (complete)
TOTAL COST: $9,899
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Mr. M. Dyett
AFFILIATION: Blayney-Dyett; Urban and Regional Planners, San Francisco, CA
COTR: Mr. Martin Golden
AVAILABILITY: Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30026

CONTRACT TITLE: Cumulative Socioeconomic Impacts of OCS Oil and Gas Development in the Santa Barbara Channel Region

REPORT(S): Centaur Associates, Inc. 1984. Cumulative Socioeconomic Impacts of Oil and Gas Development in the Santa Barbara Channel Region: A Case Study. Centaur Associates, Inc., Washington, DC. OCS Study MMS 84-0059. 307 pp. (NTIS No. PB85135978)

AWARD DATE: 09/83 (complete)
TOTAL COST: $171,200
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Mr. Michael L. Frankel
AFFILIATION: Centaur Associates, Inc., Washington, DC
COTR: Mr. Martin Golden
AVAILABILITY: NTIS, Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30050

CONTRACT TITLE: Assessment of Conflicts Between Bottom Disturbances Associated with Offshore Pipeline and Commercial Trawl Fisheries

REPORT(S): Centaur Associates, Inc. 1984. Study of the Mitigation of Sea Floor Conflicts Between Oil and Gas Pipelines and Commercial Trawl Fisheries on the

Outer Continental Shelf. Centaur Associates, Inc., Washington, DC. OCS Study MMS 84-0058. 426 pp. (NTIS No. PB85134476)

AWARD DATE: 09/83 (complete)
TOTAL COST: $212,268
PLANNING AREA(S): All Pacific OCS Region Planning Areas
PROGRAM MANAGER(S): Mr. Bradley S. Ingram
AFFILIATION: Centaur Associates, Inc., Washington, DC
SUBCONTRACTOR(S): Dames & Moore, Inc.; Harry Shatto Consulting Pipeline Engineer; Leray Dewit-VTN
COTR: Mr. Martin Golden
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30164

CONTRACT TITLE: Development of Baseline Data for Socioeconomic Characterization and Modeling in California as Related to Offshore Oil and Gas Activities

REPORT(S): ECOS Management Criteria, Inc. 1985. Economic and Demographic Profile of San Luis Obispo County, California. ECOS Management Criteria, Inc. OCS Study MMS 85-0015. 252 pp. (NTIS No. (PB90261751) Centaur Associates, Inc. 1985. Facilities Related to Outer Continental Shelf Oil and Gas Development Offshore California: A Factbook. Centaur Associates, Inc. OCS Study MMS 85-0053. 180 pp. plus appendices.

AWARD DATE: 10/84 (complete)
TOTAL COST: $126,446
PLANNING AREA(S): Central and Southern California
PROGRAM MANAGER(S): Mr. Jorge E. Rivera
AFFILIATION: ECOS Management Criteria, Inc., Cypress, CA
SUBCONTRACTOR(S): Centaur Associates, Inc.
COTR: Mr. Martin Golden
AVAILABILITY: NTIS, Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30166

CONTRACT TITLE: Impacts of OCS Development on Recreation and Tourism

REPORT(S): Merchant, J. (Manager). 1987. Impacts of Outer Continental Shelf Development on Recreation and Tourism. David M. Dornbusch and Co., Inc., San Francisco, CA. Vol. 1. Executive Summary. OCS

Study MMS 87-0064. 23 pp. (NTIS No. PB90120916/AS)
Merchant, J. (Manager). 1987. Impacts of Outer Continental Shelf Development on Recreation and Tourism. Final Report and Case Studies. David M. Dornbusch and Co., Inc., San Francisco, CA. Vol. 2. OCS Study MMS 87-0065. 212 pp. (NTIS No. PB90120924/AS)
Merchant, J. (Manager). 1987. Impacts of Outer Continental Shelf Development on Recreation and Tourism. Detailed Methodology. David M. Dornbusch and Co., Inc., San Francisco, CA. Vol. 3. OCS Study MMS 87-0066. 238 pp. (NTIS No. PB90120932/AS)
Merchant, J. (Manager). 1985. Impacts of Outer Continental Shelf Development on Recreation and Tourism. User's Manual. David M. Dornbusch and Co., Inc., San Francisco, CA. Vol. 4. OCS Study MMS 87-0067. 54 pp. (NTIS No. PB90120940/AS)
Merchant, J. (Manager). 1985. Impacts of Outer Continental Shelf Development on Recreation and Tourism. Program Logic Manual. David M. Dornbusch and Co., Inc., San Francisco, CA. Vol. 5. OCS Study MMS 87-0068. 82 pp. (NTIS No. PB90120957/AS) (NTIS No. PB90120908/AS-Set)
Walsh, R. Comments on OCS Impacts of California Coastal Recreation. David M. Dornbusch and Co., Inc., San Francisco, CA. 15 pp.

AWARD DATE: 09/84 (complete)
TOTAL COST: $271,407
PLANNING AREA(S): Northern, Central and Southern California
PROGRAM MANAGER(S): Dr. James Merchant
AFFILIATION: David M. Dornbush and Co., San Francisco, CA
COTR: Mr. Sigurd Larson
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30272

CONTRACT TITLE: Archaeological Resource Study: Morro Bay to Mexican Border

REPORT(S):

Pierson, L.J., G.I. Shiller and R.A. Slater. 1987. Archaeological Resource Study: Morro Bay to Mexican Border. PS Associates, Cardiff, CA. Bibliography. Vol. I. OCS Study MMS 87-0025. 199 pp. (NTIS No. PB89192975/AS)
Pierson, L.J., G.I. Shiller and R.A. Slater. 1987. Archaeological Resource Study: Morro Bay to Mexican Border. PS Associates, Cardiff, CA.

Appendices. Vol. II. OCS Study MMS 87-0025. 300 pp. (NTIS No. PB89192975/AS)

AWARD DATE: 1987 (complete)
TOTAL COST: $100,953
PLANNING AREA(S): Southern California
PROGRAM MANAGER(S): Mr. G. Shiller
AFFILIATION: PS Associates, Cardiff, CA
COTR: Dr. Ed Friedman
AVAILABILITY: NTIS, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30315

CONTRACT TITLE: Socioeconomic Baseline Profiles

REPORT(S):

Kearney, A.T., Inc. 1987. Baseline Socioeconomic Profiles of Coastal Counties in the Northern California Planning Area. A.T. Kearney, Inc., Washington, DC. OCS Study MMS 87-0052. 424 pp. plus appendices. (NTIS No. PB89103212/AS)

Kearney, A.T., Inc. 1987. Baseline Socioeconomic Profiles of Coastal Counties in the Central California Planning Area. A.T. Kearney, Inc., Washington, DC. OCS Study MMS 87-0053. 850 pp. plus appendices. (NTIS No. PB89103220/AS)

Kearney, A.T., Inc. 1987. Baseline Socioeconomic Profiles of Coastal Counties in the Southern California Planning Area. A.T. Kearney, Inc., Washington, DC. OCS Study MMS 87-0054. 563 pp. plus appendices. (NTIS No. PB89103238/AS)

Kearney, A.T., Inc. 1988. Baseline Socioeconomic Profiles of Coastal Counties in the Washington Oregon Planning Area (Coastal Washington). A.T. Kearney, Inc., Washington, DC. OCS Study MMS 88-0084. 922 pp. 4-volume set.
Vol. I, Chapters 1-2, (NTIS No. PB89217608/AS)
Vol. II, Chapters 3-4, (NTIS No. PB89217616/AS)
Vol. III, Chapters 5-6, (NTIS No. PB89217624/AS)
Vol. IV, Chapters 7-8, plus appendices (NTIS No. PB89217632/AS)

Kearney, A.T., Inc. 1988. Baseline Socioeconomic Profiles of Coastal Counties in the Washington-Oregon Planning Area (Coastal Oregon). A.T. Kearney, Inc., Washington, DC. OCS Study MMS 88-0085. 900 pp. 4-volume set.
Vol. I, Chapters 1-2, (NTIS No. PB89217640/AS)
Vol. II, Chapters 3-4, (NTIS No. PB89217657/AS)
Vol. III, Chapters 5-6, (NTIS No. PB89217665/AS)
Vol. IV, Chapters 7-8, plus appendices (NTIS No. PB89217673/AS)

Kearney, A.T., Inc. 1988. Baseline Socioeconomic Profiles of Coastal Counties in the Washington-Oregon Planning Area (Puget Sound Area, Washington). A.T. Kearney, Inc., Washington, DC. pp. OCS Study MMS 88 0086. Part 1, 722 pp., Part 2, 560 pp. 4-volume set.
Part 1, Vol. I, Chapters 1-3, (NTIS No. PB89217681/AS)
Part 1, Vol. II, Chapters 4-9, plus appendices (NTIS No. PB89217699/AS)
Part 2, Vol. I, Chapters 1-7, (NTIS No. PB8921707/AS)
Part 2, Vol. II, Chapters 8-9, plus appendices (NTIS No. PB89217715/AS)
(NTIS No. PB89217590/AS for set)

AWARD DATE: 09/86 (complete)
TOTAL COST: $339,489 - Years I-III
PLANNING AREA(S): All Pacific OCS Planning Areas
PROGRAM MANAGER(S): Dr. Paul Kolp
AFFILIATION: Centaur Associates, Inc., Washington, DC
COTR: Mr. Neville Chow and Dr. Fred Piltz
AVAILABILITY: NTIS, Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 30439

CONTRACT TITLE: California, Oregon, and Washington Archaeological Resources

REPORT(S):

Espey, Huston, & Associates, Inc. 1990. California, Oregon, and Washington Archaeological Resource Study. Espey, Huston, & Associates, Austin, TX. Vol. I. Management Summary. OCS Study MMS 90-0087. 69 pp.

Espey, Huston, & Associates, Inc. 1990. California, Oregon, and Washington Archaeological Resource Study. Espey, Huston, & Associates, Austin, TX. Vol. II. Geology. OCS Study MMS 90-0088. 99 pp.

Espey, Huston, & Associates, Inc. 1990. California, Oregon, and Washington Archaeological Resource Study. Espey, Huston, & Associates, Austin, TX. Vol. III. Prehistory. OCS Study MMS 90-0089. 139 pp.

Espey, Huston, & Associates, Inc. 1990. California, Oregon, and Washington Archaeological Resource Study. Espey, Huston, & Associates, Austin, TX. Vol. IV. History. OCS Study MMS 90-0090. 129 pp.

Espey, Huston, & Associates, Inc. 1990. California, Oregon, and Washington Archaeological Resource Study. Espey, Huston, & Associates, Austin, TX. Vol. V. Small-Scale Maps. OCS Study MMS 90-0091. 164 pp.

Espey, Huston, & Associates, Inc. 1990. California, Oregon, and Washington Archaeological Resource Study. Espey, Huston, & Associates, Austin, TX. Vol. VI. Appendices. OCS Study MMS 90-0092. 104 pp.

AWARD DATE: 10/89 (complete)
TOTAL COST: $291,032
PLANNING AREA(S): Northern and Central California, Washington-Oregon
PROGRAM MANAGER(S): Mr. Clell Bond
AFFILIATION: Espey, Huston & Associates, Inc.
COTR: Mr. Alex Watt
AVAILABILITY: Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS: None

CONTRACT NO.: 17491

CONTRACT TITLE: Inventory and Evaluations of Washington and Oregon Coastal Recreational Resources

REPORT(S): Active contract

AWARD DATE: 09/88 (active)
TOTAL COST: $175,000
PLANNING AREA(S): Washington-Oregon
PROGRAM MANAGER(S): Mr. Darryl R. Johnson
AFFILIATION: National Park Service (IA), Seattle, WA
COTR: Mr. Gordon Reetz
AVAILABILITY: Active contract
OTHER PUBLICATIONS: None

CONTRACT NO.: 30508

CONTRACT TITLE: Potential Effects of OCS Oil and Gas Activities on Oregon and Washington Indian Tribes

REPORT(S): Barsh, R.L. 1990. Potential Effects of OCS Oil and Gas Activities on Oregon and Washington Indian Tribes, Description of Overall Legal Environment and Legal Status of 16 Specified Tribes. Central Washington University, Ellensburg, Washington. OCS Study MMS 90-0034. 66 pp. (NTIS No. PB90263336)

AWARD DATE:	09/89 (active)
TOTAL COST:	$199,739
PLANNING AREA(S):	Washington-Oregon
PROGRAM MANAGER(S):	Dr. Don Cocheba
AFFILIATION:	Central Washington University; Phil Meyer Associates
COTR:	Mr. Alex Watt
AVAILABILITY:	NTIS, Depository Libraries, Pacific OCS Region (reading copy)
OTHER PUBLICATIONS:	None

BLANK PAGE

10. Other Reports

POCS Reference Paper No. 53-1 - Proposed Oil and Gas Transportation Scenarios of Proposed OCS Sale No. 53. 27 pp. 1980.

POCS Reference Paper No. 53-2 - Oil Spill Risk Analysis of Proposed OCS Sale No. 53 for Central and Northern California. 28 pp. 1980.

POCS Reference Paper No. 53-3 - Onshore Economic Impact Analysis of Proposed OCS Sale No. 53 for Central and Northern California. 157 pp. 1980.

POCS Reference Paper No. 53-4 - Recovery of Benthic Marine Populations Along the Pacific Coast of the United States Following Natural and Man-made Disturbances Including Pertinent Life History Information. 48 pp. 1980.

POCS Reference Paper No. 53-5 - Air Quality Impact of Proposed OCS Sale No. 53 Offshore Central and Northern California. 430 pp. plus Appendices. Supplement. 45 pp. 1980.

POCS Technical Paper No. 81-1 - Proposed Oil and Gas Transportation Scenario of Proposed OCS Sale No. 68 Offshore Southern California. 13 pp. 1981.

POCS Technical Paper No. 81-2 - Oil Spill Risk Analysis of Proposed OCS Sale No. 68 Offshore Southern California. 48 pp. 1981.

POCS Technical Paper No. 81-3 - Economic Impacts of Proposed OCS Sale No. 68 Offshore Southern California. 38 pp. 1981.

POCS Technical Paper No. 81-4 - The Impacts of Proposed OCS Lease Sale No. 68 on Public Services in Santa Barbara and Ventura Counties. 111 pp. 1981.

POCS Technical Paper No. 81-5 - Inventory and Evaluation of California Coastal Recreation and Aesthetic Resources. Appendices. Vol. I. Executive Summary. Vol. II. Synthesis of Findings. Vol. III. Appendices. 677 pp. 1981.

POCS Technical Paper No. 81-6 - Marine Mammals of the Southern California Bight. 96 pp. 1981.

POCS Technical Paper No. 81-7 - Air Quality Impact of Proposed OCS Sale No 68 Offshore Southern California. 657 pp. Supplement. 23 pp. 1981.

POCS Technical Paper No. 81-8 - Results of the 1976-78 Baseline Studies and Analysis Program: Subtidal Benthic Environments of the Southern California Bight. 73 pp. 1981.

POCS Technical Paper No. 81-9 - Marine Mammal and Seabird Surveys of the Southern California Bight Area. Executive Summary. Years 1-III. 40 pp. 1981.

POCS Technical Paper No. 82-1 - Marine Mammal and Seabird Study, Central and Northern California - Annual Progress Report. 213 pp. 1982.

POCS Technical Paper No. 82-2 - Physical Oceanography and Meteorology of the California Outer Continental Shelf. 308 pp. 1982.

POCS Technical Paper No. 82-3 - Results of the Minerals Management Service Funded West Coast Meteorological Buoy Monitoring Network. 587 pp. 1982.

POCS Technical Paper No. 83-1 - Oil and Gas Transportation Scenario for the Southern Santa Maria Basin Offering for October 1983. 17 pp. 1983.

POCS Technical Paper No. 83-2 - Air Quality Impact of the Proposed OCS Lease Sale No. 73 Offshore Central California. Executive Summary. 262 pp. 1983.

POCS Technical Paper No. 83-3 - Economic Impacts of Proposed OCS Sale No. 73. 262 pp. Executive Summary. 26 pp. 1983.

POCS Technical Paper No. 83-4 - An Oilspill Risk Analysis for Proposed OCS Lease Sale No. 73. 67 pp. 1983.

POCS Technical Paper No. 83-5 - Central and Northern California Coastal Marine Habitats: Oil Residence and Biological Sensitivity Indices. 226 pp.

POCS Technical Paper No. 83-6 - Central and Northern California Coastal Marine Habitats: Oil Residence and Biological Sensitivity Indices. Executive Summary. 34 pp. 1982.

POCS Technical Paper No. 83-7 - Oil and Gas Transportation Scenario for Proposed Southern California Lease Offering, February 1984. 27 pp. 1983.

POCS Technical Paper No. 83-8 - Air Quality Impact of the Proposed Southern California OCS Lease Offering in 1984. Executive Summary. Form & Substance, Inc. 343 pp. 1983.

POCS Technical Paper No. 83-9 - An Oilspill Risk Analysis for Southern California Lease Offering, February 1984. 115 pp. 1983.

POCS Technical Paper No. 83-10 - Economic Impacts of Proposed Southern Lease Offering February 1984. 25 pp. 1983.

POCS Technical Paper No. 83-11 - Summary of Available Population Information on California Sea Otters. 29 pp. 1983.

POCS Technical Paper No. 83-12 - A Handbook for Estimating the Potential Air Quality Impacts Associated with Oil and Gas Development Offshore California. 612 pp. 1983.

POCS Reference Paper No. I - Seabirds and Marine Mammals of the Southern California Bight. 106 pp. 1978.

POCS Reference Paper No. II - Description of the Coastal Environment from Pt. Reyes to Punta Eugenia. 981 pp. 1978. 3 volumes.

POCS Reference Paper No. III - Benthic Organisms and Estuarine Communities of the Southern California Bight. 221 pp. 1978.

POCS Reference Paper No. IV - Onshore Economic and Water Quality Impact Analysis of Proposed OCS Sale No. 48. 203 pp. 1978.

POCS Reference Paper No. V - Air Quality Impact of Proposed OCS Sale No. 48 on Southern California. 462 pp. 1978.

POCS Reference Paper No. VI - Oil Spill Risk Analysis for the Southern California OCS Lease Area, Proposed OCS Sale No. 48. 95 pp. 1978.

Open-File Report 81-605 - An Oilspill Risk Analysis for the Southern California (Proposed Sale 68) Outer Continental Shelf Lease Area (USGS). 1981.

In-house Report - Anderson, C.M., J.J. Notario, R.P. LaBelle, and A.D. Lucas. 1987. Oil Spill Risk Analysis: Northern California (Proposed Sale 91) Outer Continental Shelf. OCS Study MMS 87-0085. 115 pp. (NTIS No. PB88122486).

BLANK PAGE

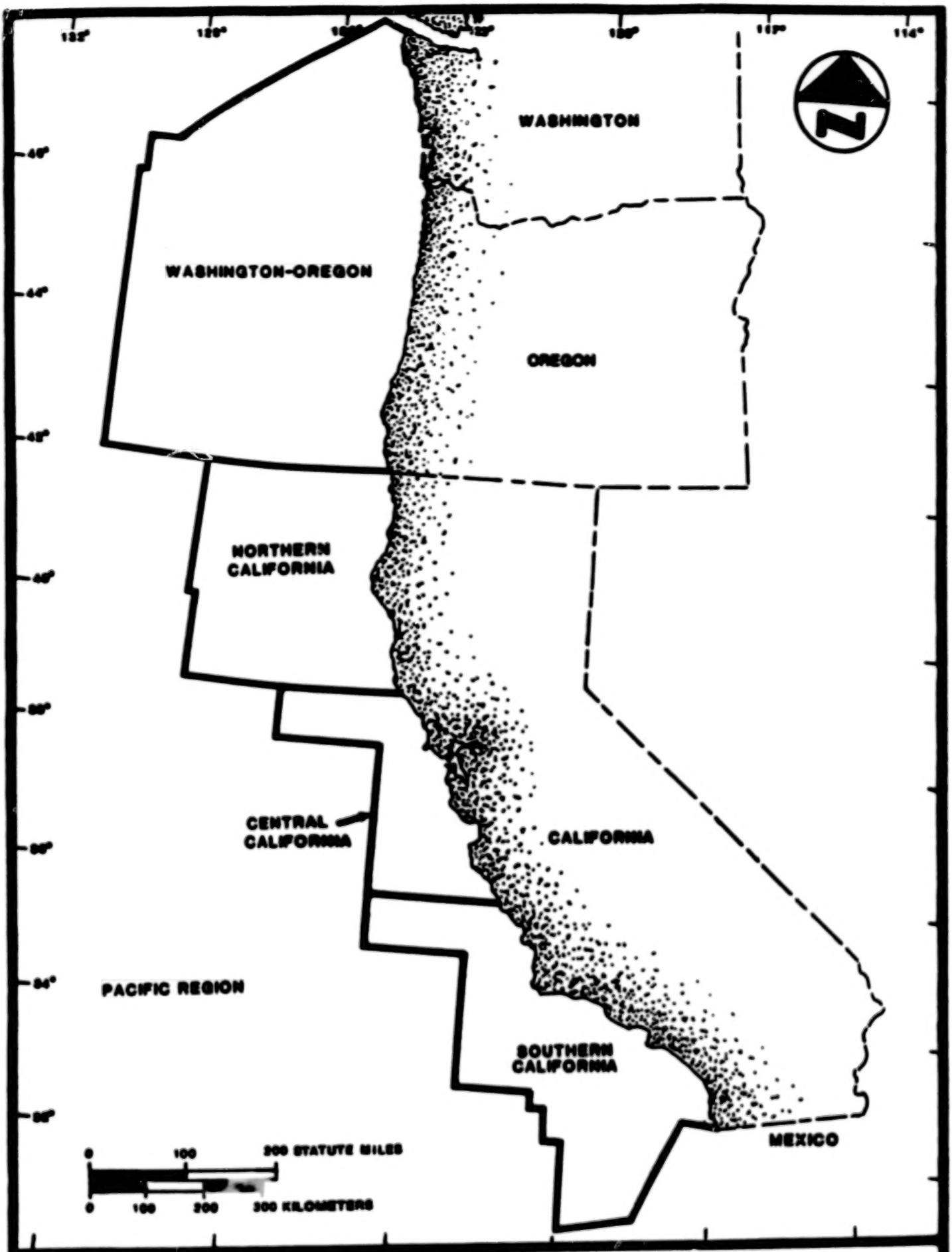

Figure 1. Pacific OCS Region Planning Areas

BEST COPY AVAILABLE

BLANK PAGE

11. Pacific OCS Region Studies Identified by Planning Area(s)

Washington-Oregon Planning Area

Air Quality

None

Baseline

None

Biology and Ecology

CT6-15 - Summary and Analysis of Environmental Information of the Oregon and Washington Coastal Zone and Offshore Areas
30273 - Study of the Effects of Offshore Geophysical Acoustic Survey Operations on Important Commercial Fisheries in California
30429 - An Evaluation of Spawning and Recruitment Patterns of Fishes off Northern California, Oregon and Washington
30445 - Fish Assemblages of Rocky Banks of the Pacific Northwest
30459 - Washington, Oregon, and California OCS Fisheries Data Base
10268 - Analysis of Dungeness Crab Larvae off Washington, Oregon, and Northern California
17213 - Effects of Seismic Energy Releases on the Zoeal Larvae of the Dungeness Crab (Cancer magister)

Marine Mammals, Seabirds and Protected Species

CT5-28 - Southern California Marine Mammal and Seabird Survey, Year I
CT7-36; 29082 - Southern California Marine Mammal and Seabird Survey, Year III
MU9-13; 29088 - Seabird Nesting and Seasonal Use.. Survey for the Central and Northern California Coastal Region
CT9-33 29090 - Central and Northern California Marine Mammal and Seabird Study
CT0-70 29102 - California Seabird Oil Spill Behavior Study
CT1-60 29112 - Seabird Oil Toxicity Study
30157 - Sea Otter Oil Spill Mitigation Study
30256 - Sea Otter Oil Spill Avoidance Study
30306 - Gray Whale Monitoring Study
ON14257 - Diving Patterns of Free Swimming Female Northern Elephant Seals
30426 - Oregon and Washington Marine Mammal and Seabird Surveys
30451 - Biological Impacts of Translocated Sea Otters
10394 - Publication of the National Atlas of Coastal Waterbird Colonies and the Washington Seabird Catalog
OCE-8611086 - Diving Studies of Northern Elephant Seals
30522 - Production of Sea Otter Rescue Training Videos

30524 - Brown Pelican Survival and Breeding Success Following Oil Exposure in the American Trader Spill
13328 - Long-Term Survival of Brown Pelicans Following Oil Exposure and Rehabilitation from the American Trader Oil Spill
30554 - Conference on Northern Elephant Seals: Population Assessment, Diving and Foraging Energetics and Life History

Pollutant Fate and Effects

CTO-70; 29102 - California Seabird Oil Spill Behavior Study
CT2-54; 29122 - Evaluation of Effluent Dispersion and Fate Models for OCS Platforms
30056 - Assessment of the Long-Term Fate and Effective Methods of Mitigation of California OCS Platform Particulate Discharges
30159 - Adaptations of Marine Organisms to Chronic Hydrocarbon Exposure
30262 - Monitoring: Assessment of Long-Term Changes in Biological Communities, Phase II
17213 - Effects of Seismic Energy Releases on the Zoeal Larvae of the Dungeness Crab (Cancer magister).
30057b - Recovery from Oiling in the Rocky Intertidal Zone along the Washington Coast
10683 - Monitoring of the Olympic National Park Beaches to Determine Fate and Effects of Spilled Bunker C Fuel Oil

Geology

MU8-09 - Northern California/Southern Oregon Geologic Hazards and Structure River Basin Off Northern California and Coos Bay, Oregon

Physical Oceanography and Meteorology

IA1-40; 29109 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
CT1-67 29113 - California Shelf Physical Oceanography Circulation Study
CT2-54; 29122 - Evaluation of Effluent Dispersion and Fate Models for OCS Platforms
30322 - Coastal Wave Statistical Data Base
30352 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
30389 - Coastal Circulation Along Washington and Oregon
30425 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
30473 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
30384 - An Initial Statistical Characterization of the Variability of Coastal Winds and Currents

Program Support and Information Management

CT6-54 - Oregon and Washington Public Meeting
30205 - Environmental Data Management System for the Pacific Region
30327 - Pacific OCS Region Information Transfer Meeting (1987/1989)
30368 - Conference/Workshop on Recommendations for Studies in Washington and Oregon Relative to Offshore Oil and Gas Development
30471 - Southern California Educational Initiative
30525 - Pacific OCS Region Information Transfer Meeting (1991/1995)

Social Sciences and Economics

30050 - Assessment of Conflicts Between Bottom Disturbances Associated with Offshore Pipeline and Commercial Trawl Fisheries
30315 - Baseline Socioeconomic Profile of California, Oregon and Washington Coastal Counties
17491 - Inventory and Evaluations of Washington and Oregon Coastal Recreational Resources
30439 - California, Oregon, and Washington Archaeological Resources
30508 - Potential Effects of OCS Oil and Gas Activities on Oregon and Washington Indian Tribes

BLANK PAGE

Northern California Planning Area

Air Quality

CT9-23 - Air Quality Analysis in Relation to Potential OCS Oil and Gas Development off Central and Northern California
30127 - Air Quality Modeling for California OCS Lease Sales

Baseline

None

Biology and Ecology

CT6-52; 29081 - Summary of Knowledge of Central and Northern California Coastal Zone and Offshore Areas
MU9-12; 29010 - Ecological Characterization of Central and Northern California Coastal Region
CT0-73; 29104 - Oil Spill Vulnerability (Risk) Assessment of Marine and Coastal Habitats in Central and Northern California
30057a - Successional/Seasonal Variation of the Central and Northern California Rocky Intertidal Communities as Related to Natural and Man-Induced Disturbances
30273 - Study of the Effects of Offshore Geophysical Acoustic Survey Operations on Important Commercial Fisheries in California
30294 - California OCS Fisheries Data Base
30388 - Biological Reconnaissance of Selected Benthic Habitats Within Three California OCS Planning Areas
30429 - An Evaluation of Spawning and Recruitment Patterns of Fishes off Northern California, Oregon and Washington
30459 - Washington, Oregon, and California OCS Fisheries Data Base
10268 - Analysis of Dungeness Crab Larvae off Washington, Oregon, and Northern California
10396 - Identification Guide to the Early Life Stages of Fishes of the California Current

Marine Mammals, Seabirds and Protected Species

CT5-28 - Southern California Marine Mammal and Seabird Survey, Year I
CT7-36; 29082 - Southern California Marine Mammal and Seabird Survey, Year III
MU9-13; 29088 - Seabird Nesting and Seasonal Use.. Survey for the Central and Northern California Coastal Region
CT9-33 29090 - Central and Northern California Marine Mammal and Seabird Study
CT0-70 29102 - California Seabird Oil Spill Behavior Study
CT1-60 29112 - Seabird Oil Toxicity Study
30183 - California Seabird Ecology Study
30306 - Gray Whale Monitoring Study

ON14257 - Diving Patterns of Free Swimming Female Northern Elephant Seals
30426 - Oregon and Washington Marine Mammal and Seabird Surveys
30456 - Seabird Nesting Survey for the Central and Northern California Region and Preparation of the Catalog of California Seabird Colonies
10394 - Publication of the National Atlas of Coastal Waterbird Colonies and the Washington Seabird Catalog
10576 - A Study of Marbled Murrelet in California
OCE-8611086 - Diving Studies of Northern Elephant Seals
30524 - Brown Pelican Survival and Breeding Success Following Oil Exposure in the American Trader Spill
13328 - Long-Term Survival of Brown Pelicans Following Oil Exposure and Rehabilitation from the American Trader Oil Spill
30554 - Conference on Northern Elephant Seals: Population Assessment, Diving and Foraging Energetics and Life History

Pollutant Fate and Effects

CTO-74; 29105 - California Commercial and Sports Fish and Shell Fish Oil Toxicity Study and Monitoring Workshop
30056 - Assessment of the Long-Term Fate and Effective Methods of Mitigation of California OCS Platform Particulate Discharges
30159 - Adaptations of Marine Organisms to Chronic Hydrocarbon Exposure
30262 - Monitoring: Assessment of Long-Term Changes in Biological Communities, Phase II
17213 - Effects of Seismic Energy Releases on the Zoeal Larvae of the Dungeness Crab (Cancer magister)

Geology

MU8-09 - Northern California/Southern Oregon Geologic Hazards and Structure
MU9-19 - Geologic Hazards Assessment for Proposed Lease Sale No. 53: Central and Northern California
IA1-22; 29107 - California Geological Hazards Assessment: Sales 73 and 80

Physical Oceanography and Meteorology

IA9-02 - A Climatological and Oceanographic Analysis of the California Pacific OCS Region
CTO-62 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
IA1-40; 29109 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
CT1-67; 29113 - California Shelf Physical Oceanography Circulation Study
IA2-12; 29117 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
CT2-54; 29122 - Evaluation of Effluent Dispersion and Fate Models for OCS Platforms

30008 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
30143 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
30248 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
30303 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
30312 - Northern California Coastal Circulation Study
30352 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
30384 - An Initial Statistical Characterization of the Variability of Coastal Winds and Currents
30425 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
30473 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
30322 - Coastal Wave Statistical Data Base

Program Support and Information Management

CT6-41 - Northern California Public Meeting
30205 - Environmental Data Management System for the Pacific Region
30263 - Environmental Studies Information Transfer Meeting
30327 - Pacific OCS Region Information Transfer Meeting (1987/1989)
30471 - Southern California Educational Initiative
30525 - Pacific OCS Region Information Transfer Meeting (1991/1995)

Social Sciences and Economics

CT9-03 - Land Use and Economic Impacts in the San Francisco Bay Area Region
CT0-63; 29019 - California Coastal Recreation and Aesthetic Resources Study
30050 - Assessment of Conflicts Between Bottom Disturbances Associated with Offshore Pipeline and Commercial Trawl Fisheries
30166 - Impacts of Outer Continental Shelf Development on Recreation and Tourism
30315 - Baseline Socioeconomic Profile of California, Oregon and Washington Coastal Counties
30439 - California, Oregon, and Washington Archaeological Resources

BLANK PAGE

Central California Planning Area

Air Quality

CT9-23 - Air Quality Analysis in Relation to OCS Potential OCS Oil and Gas Development off Central and Northern California
CT1-44 - Air Quality Trajectory Modeling for OCS Lease Sales 73 and 80
29110
IA2-01; - Central California Air Quality Model Validation Study
29025
CT2-06; - Central California Air Quality Model Validation Study
29114

Baseline

None

Biology and Ecology

CT6-52; - Summary of Knowledge of Central and Northern California Coastal
29081 Zone and Offshore Areas
MU9-12; - Ecological Characterization of Central and Northern California
29010 Coastal Region
CT0-73; - Oil Spill Vulnerability (Risk) Assessment of Marine and Coastal
29104 Habitats in Central and Northern California
30032 - Assessment of Long-term Changes in the Biological Communities. Phase I. Benthic Reconnaissance of Santa Maria Basin/Santa Maria Basin
30057a - Successional/Seasonal Variation of the Central and Northern California Rocky Intertidal Communities as Related to Natural and Man-Induced Disturbances
30273 - Study of the Effects of Offshore Geophysical Acoustic Survey Operations on Important Commercial Fisheries in California
30294 - California OCS Fisheries Data Base
30388 - Biological Reconnaissance of Selected Benthic Habitats Within Three California OCS Planning Areas
30459 - Washington, Oregon, and California OCS Fisheries Data Base
10396 - Identification Guide to the Early Life Stages of Fishes of the California Current
30484 - Taxonomic Atlas of the Santa Maria Basin Fauna

Marine Mammals, Seabirds and Protected Species

CT5-28 - Southern California Marine Mammal and Seabird Survey, Year I
CT7-36; - Southern California Marine Mammal and Seabird Survey, Year III
29082
MU9-13; - Seabird Nesting and Seasonal Use: Survey for the Central and
29088 Northern California Coastal Region
CT9-33 - Central and Northern California Marine Mammal and Seabird Study
29090

CTO-70 29102 - California Seabird Oil Spill Behavior Study
CT1-60 29112 - Seabird Oil Toxicity Study
30005 - Observation of Sea Otter Behavior
30023 - Synthesis of Available Population Information on California Sea Otters
30033 - Population Status of California Sea Otters
30157 - Sea Otter Oil Spill Mitigation Study
30183 - California Seabird Ecology Study
30256 - Sea Otter Oil Spill Avoidance Study
30306 - Gray Whale Monitoring Study
ON14257 - Diving Patterns of Free Swimming Female Northern Elephant Seals
30426 - Oregon and Washington Marine Mammal and Seabird Surveys
30451 - Biological Impacts of Translocated Sea Otters
30456 - Seabird Nesting Survey for the Central and Northern California Region and Preparation of the Catalog of California Seabird Colonies
10394 - Publication of the National Atlas of Coastal Waterbird Colonies and the Washington Seabird Catalog
10576 - A Study of Marbled Murrelet in California
OCE-8611086 - Diving Studies of Northern Elephant Seals
30524 - Brown Pelican Survival and Breeding Success Following Oil Exposure in the American Trader Spill
13328 - Long-Term Survival of Brown Pelicans Following Oil Exposure and Rehabilitation from the American Trader Oil Spill
30522 - Production of Sea Otter Rescue Training Videos
30554 - Conference on Northern Elephant Seals: Population Assessment, Diving and Foraging Energetics and Life History

Pollutant Fate and Effects

CTO-74; 29105 - California Commercial and Sports Fish and Shell Fish Oil Toxicity Study and Monitoring Workshop
30056 - Assessment of the Long-Term Fate and Effective Methods of Mitigation of California OCS Platform Particulate Discharges
30159 - Adaptations of Marine Organisms to Chronic Hydrocarbon Exposure
30262 - Monitoring: Assessment of Long-Term Changes in Biological Communities, Phase II
17213 - Effects of Seismic Energy Releases on the Zoeal Larvae of the Dungeness Crab (Cancer magister)

Geology

MU9-19 - Geologic Hazards Assessment for Proposed Lease Sale No. 53: Central and Northern California
IA1-22; 29107 - California Geological Hazards Assessment: Sales 73 and 80

Physical Oceanography and Meteorology

IA9-02 - A Climatological and Oceanographic Analysis of the California Pacific OCS Region
IA0-29; 29097 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
IA1-40; 29109 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
CT1-67; 29113 - California Shelf Physical Oceanography Circulation Study
IA2-02 29026 - Central California Nearshore Current Study
IA2-12; 29117 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
CT2-54; 29122 - Evaluation of Effluent Dispersion and Fate Models for OCS Platforms
30008 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
30020 - Central California Coastal Circulation Study
30143 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
30248 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
30303 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
30312 - Northern California Coastal Circulation Study
30322 - Coastal Wave Statistical Data Base
14906 - Central California Coastal Circulation Study
30352 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
30384 - An Initial Statistical Characterization of the Variability of Coastal Winds and Currents
30425 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
30473 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
30474 - The CCCCS Pressure Field and Its Relation to Circulation

Program Support and Information Management

30205 - Environmental Data Management System for the Pacific Region
30263 - Environmental Studies Information Transfer Meeting
30327 - Pacific OCS Region Information Transfer Meeting (1987/1989)
30471 - Southern California Educational Initiative
30525 - Pacific OCS Region Information Transfer Meeting (1991/1995)

Social Sciences and Economics

CT9-03 - Land Use and Economic Impacts in the San Francisco Bay Area Region
CT0-63; 29019 - California Coastal Recreation and Aesthetic Resources Study

30050 - Assessment of Conflicts Between Bottom Disturbances Associated with Offshore Pipeline and Commercial Trawl Fisheries
30164 - Development of Baseline Data for Socioeconomic Characterization and Modeling in California as Related to Offshore Oil and Gas Activities
30166 - Impacts of Outer Continental Shelf Development on Recreation and Tourism
30315 - Baseline Socioeconomic Profile of California, Oregon and Washington Coastal Counties
30439 - California, Oregon, and Washington Archaeological Resources

Southern California Planning Area

Air Quality

CT7-18 - Southern California Bight Air Quality Modeling
CT8-50; 29086 - Southern California Air Quality Assistance, Lease Sale No. 48
IA0-43; 29018 - Offshore Meteorological Tracer Measurements
CT0-64; 29020 - Southern California Air Quality Trajectory Model Study
CT0-56; 29101 - Southern California Air Quality Model Validation Study
CT1-44; 29110 - Air Quality Trajectory Modeling For OCS Lease Sales 73 and 80
IA2-01; 29025 - Offshore Meteorological and Tracer Measurements in Central California Coastal Waters
30127 - Air Quality Modeling for California OCS Lease Sales
30261 - Operation of a Portable Remote Observation of the Environment (PROBE) Station Network
30277 - South Central Coast Cooperative Aerometric Monitoring Program - Operation of a Dual-Doppler Radar System
30302 - Production of a Data Archive for the South Central Coast Cooperative Aerometric Monitoring Program (SCCCAMP)
30329 - South Central Coast Cooperative Aerometric Monitoring Program (SCCCAMP) Data Analysis
30400 - Photochemical Model Evaluation and Performance for the Santa Barbara County State Implementation Plan
30415 - Photochemical Model Evaluation
30428 - Fugitive Hydrocarbon Emissions from Pacific OCS Facilities

Baseline

CT5-52; 29079 - Southern California Bight Baseline, Year One
CT6-40; 29080 - Southern California Bight Intertidal Baseline Survey, Year Two
CT7-44; 29083 - Southern California Bight Intertidal Baseline Survey, Year Three

Biology and Ecology

CT4-01 - Southern California Summary of Knowledge
CT8-43; 29087 - Biological and Geological Reconnaissance and Characterization Survey of the Tanner and Cortes Banks
CT9-04 - Mainland Rocky Intertidal Aerial Survey from Point Arguello to Point Loma
30032 - Assessment of Long-term Changes in the Biological Communities. Phase I. Benthic Reconnaissance of Santa Maria Basin/Santa Maria Basin

30273 - Study of the Effects of Offshore Geophysical Acoustic Survey Operations on Important Commercial Fisheries in California
30294 - California OCS Fisheries Data Base
30341 - Ecology of the Southern California Bight: A Synthesis and Interpretation
30459 - Washington, Oregon, and California OCS Fisheries Data Base
10396 - Identification Guide to the Early Life Stages of Fishes of the California Current
30484 - Taxonomic Atlas of the Santa Maria Basin Fauna
13244 - Harpacticoida (Crustacea: Copepoda) from the California Continental Shelf

Marine Mammals, Seabirds and Protected Species

CT5-28 - Southern California Marine Mammal and Seabird Survey, Year I
CT6-26 - Southern California Marine Mammal and Seabird Survey, Year II.
CT7-36; 29082 - Southern California Marine Mammal and Seabird Survey, Year III
MU9-13; 29088 - Seabird Nesting and Seasonal Use.. Survey for the Central and Northern California Coastal Region
CT9-33 29090 - Central and Northern California Marine Mammal and Seabird Study
CT1-60 29112 - Seabird Oil Toxicity Study
CT2-08 29115 - Southern California Marine Mammal and Seabird Risk Analysis
CT0-70 29102 - California Seabird Oil Spill Behavior Study
30005 - Observation of Sea Otter Behavior
30023 - Synthesis of Available Population Information on California Sea Otters
30033 - Population Status of California Sea Otters
30157 - Sea Otter Oil Spill Mitigation Study
30183 - California Seabird Ecology Study
30224 - A Risk Analysis Model for Marine Mammals and Seabirds.. A Southern California Bight Scenario
30256 - Sea Otter Oil Spill Avoidance Study
30306 - Gray Whale Monitoring Study
ON14257 - Diving Patterns of Free Swimming Female Northern Elephant Seals
30426 - Oregon and Washington Marine Mammal and Seabird Surveys
30451 - Biological Impacts of Translocated Sea Otters
10394 - Publication of the National Atlas of Coastal Waterbird Colonies and the Washington Seabird Catalog
OCE-8611086 - Diving Studies of Northern Elephant Seals
30524 - Brown Pelican Survival and Breeding Success Following Oil Exposure in the American Trader Spill
13328 - Long-Term Survival of Brown Pelicans Following Oil Exposure and Rehabilitation from the American Trader Oil Spill
30554 - Conference on Northern Elephant Seals: Population Assessment, Diving and Foraging Energetics and Life History

Pollutant Fate and Effects

CT6-38 - Analysis of Marine Samples for Pb, BA and Cd Content in Southern California
CT7-38 - Barium and Vanadium Methodology Study
CT9-02 - Formation Water Dispersion Study
CT0-74; 29105 - California Commercial/Sport Fish and Shell Fish Oil Toxicity Study and Monitoring Workshop
30056 - Assessment of the Long-Term Fate and Effective Methods of Mitigation of California OCS Platform Particulate Discharges
30159 - Adaptations of Marine Organisms to Chronic Hydrocarbon Exposure
30262 - Monitoring: Assessment of Long-Term Changes in Biological Communities, Phase II
17213 - Effects of Seismic Energy Releases on the Zoeal Larvae of the Dungeness Crab (Cancer magister)
30489 - Effects of OCS Oil and Gas Production Platforms on Rocky Reef Fishes and Fisheries

Geology

MU5-34 - Environmental Geology of Selected Areas of the Southern California Continental Borderland
MU8-10 - Erosion and Transport of Sediments and Pollutants on the San Pedro Shelf, Southern California
MU8-15 - Southern California Shelf and Ridge Geophysical and Geological Hazards Study
IA1-22; 29107 - California Geological Hazards Assessment: Sales 73 and 80

Physical Oceanography and Meteorology

IA9-02 - A Climatological and Oceanographic Analysis of the California Pacific OCS Region
IA0-29; 29097 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
IA1-40; 29109 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
CT1-67; 29113 - California Shelf Physical Oceanographic Circulation Model
IA2-12 29117 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
CT2-54; 29122 - Evaluation of Effluent Dispersion and Fate Models for OCS Platforms
CT2-63 29123 - Santa Barbara Channel Circulation Model and Field Study
30008 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
30020 - Central California Coastal Circulation Study
30143 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network

30248 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
30303 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
30322 - Coastal Wave Statistical Data Base
30352 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
30397 - Modeling the Circulation in the Southern California Bight
30384 - An Initial Statistical Characterization of the Variability of Coastal Winds and Currents
30425 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
30473 - Establishment and Operation of a West Coast OCS Meteorological Buoy Monitoring Network
30474 - The CCCCS Pressure Field and Its Relation to Circulation

Program Support and Information Management

CT5-14 - Southern California Public Meeting
30021 - First Annual Environmental Studies Information Transfer Meeting
30205 - Environmental Data Management System for the Pacific Region
30263 - Environmental Studies Information Transfer Meeting
30327 - Pacific OCS Region Information Transfer Meeting (1987/1989)
30471 - Southern California Educational Initiative
30325 - Pacific OCS Region Information Transfer Meeting (1991/1995)

Social Sciences and Economics

CT7-32 - Southern California Bight Archaeological Literature Survey and Sensitivity Zone Mapping
CT0-01 - Santa Barbara Channel Prehistoric Mapping Study
CT0-63; 29019 - California Coastal Recreation and Aesthetic Resources Study
CT1-01 - The Impacts of Proposed OCS Lease Sale No. 68 on Public Services in Santa Barbara County
30026 - Cumulative Socioeconomic Impacts of OCS Oil and Gas Development in the Santa Barbara Channel Region: A Case Study
30050 - Assessment of Conflicts Between Bottom Disturbances Associated with Offshore Pipeline and Commercial Trawl Fisheries
30164 - Development of Baseline Data for Socioeconomic Characterization and Modeling in California as Related to Offshore Oil and Gas Activities
30166 - Impacts of Outer Continental Shelf Development on Recreation and Tourism
30272 - Archaeological Resource Study: Morro Bay to Mexican Border
30315 - Baseline Socioeconomic Profile of California, Oregon and Washington Coastal Counties

12. Information Services

National Oceanic and Atmospheric Administration
U.S. Department of Commerce
National Data Buoy Center (NDBC)
NSTL, Mississippi 39529
(Oceanographic Data)

National Oceanic and Atmospheric Administration
U.S. Department of Commerce
National Climatic Data Center (NCDC)
Oshville, North Carolina 28801
(Meteorological Data)

National Oceanic and Atmospheric Administration
U.S. Department of Commerce
National Oceanographic Data Center (NODC)
User Service Branch
NOAA/NESIS E/OC21
Washington, DC 20235
(202) 673-5549
FTS 673-5549

National Technical Information Service (NTIS)
U.S. Department of Commerce
5285 Port Royal Rd
Springfield, VA 22161
(707) 487-4650

United States Department of the Interior (DOI)
United States Geological Service (USGS)
Open-File Services
Federal Center
Denver, Colorado 80225
(303) 236-7476

United States Department of the Interior (DOI)
Minerals Management Service (MMS)
770 Paseo Camarillo
Camarillo, CA 93010
Public Affairs Office
Attn: Ms. Dena Winham
(Public Affairs Office)
(805) 389-7520
(FTS) 683-7520

The Pacific OCS Region maintains reading copies of reports older than 1 year from date of announcement.

United States Department of the Interior (DOI)
Minerals Management Service (MMS)
770 Paseo Camarillo
Camarillo, CA 93010
Environmental Studies Section
Attn: Joann Golden
(Technical Information Specialist)
(805) 389-7854
(FTS) 683-7854

United States Department of the Interior (DOI)
Minerals Management Service (MMS)
770 Paseo Camarillo
Camarillo, CA 93010
Library
Attn: Nollie Gildow-Owens
(Librarian)
(805) 389-7616
(FTS) 683-7616

United States Department of the Interior
Minerals Management Service
Office of Offshore Information (OIP)
and Publications
Parkway Atrium Bldg.
381 Eldon St.
Herndon, VA 22070-4817

13. Depository Libraries

California

Humboldt State University
Attn: Erich F. Schimps
Documents Department
Arcata, California 95521

California State Lands Commission
Research & Planning Division
1807 13th Street
Sacramento, California 95814

California Polytechnic State University
Library
San Luis Obispo, California 93407

University of California
General Library
Government Documents
Berkeley, California 94720

Environmental Protection Agency
Region IX Library
215 Fremont Street
San Francisco, California 94150

Association of Monterey Bay Area Governments
977-A Pacific Street
Monterey, California 93940

Santa Barbara Museum of Natural History
Library
2559 Puesta del Sol
Santa Barbara, California 93105

University of California
McHenry Library
Government Publications
Santa Cruz, California 95064

Scripps Institute of Oceanography
Library
Reference Librarian USDC-075C
La Jolla, California 92093

California (cont'd)

University of California
Public Affairs Service/URS. Docts.
U.C.L.A. Research Library
405 Hilgard Avenue
Los Angeles, California 90024

Santa Barbara Public Library
1021 Anacapa Street
Santa Barbara, California 93102

College of the Redwoods
Mendocino Coast Education Center
1211 Del Mar Drive
Fort Bragg, California 95437

California Coastal Commission
Attn: Library
45 Fremont St., Suite 2000
San Francisco, California 94105

Oregon

Multnomah County Library
Technical Services
801 SW Tenth Avenue
Portland, Oregon 97205

Oregon State University
Kerr Library
Corvallis, Oregon 97331

University of Oregon
Institute of Marine Biology
Charleston, Oregon 97420

University of Oregon
Main Science Library
Eugene, Oregon 97403

Portland State University
Business Document Library
934 S.W. Harrison
Portland, Oregon 97201

Hatfield Marine Sciences Center
Library
Newport, Oregon 97365

BEST COPY AVAILABLE

Oregon (cont'd)

Oregon State Library
Salem, Oregon 97310

Clatsop Community College
1688 Lexington
Astoria, Oregon 97103

Washington

Spellman Library
Grays Harbor College
Aberdeen, Washington 98520

Peninsula College Library
1502 East Lauridsen Blvd.
Port Angeles, Washington 98362

University of Washington
Fisheries-Oceanography Library WB30
151 Oceanography Teaching Build.
Seattle, Washington 98195

Western Washington University
Wilson Library
Bellingham, Washington 98225

Evergreen State College
Library Serials L 2300
Olympia, Washington 98505

Documents Section
Washington State Library
State Library Building AJ-11
Olympia, Washington 98504

NOAA Library E/AI216, Building 3
7600 Sand Point Way NE
Seattle, Washington 98115-0070

Olympic National Park
Document Repository
600 East Park Avenue
Port Angeles, Washington 98362

Environmental Protection Agency
Library, MD-108
1200 6th Avenue
Seattle, Washington 98101

Washington (cont'd)

Seattle Public Library
Documents Unit
1000 Fourth Avenue
Seattle, Washington 98104

Sherry Pearson - Library
National Marine Mammal Laboratory
7600 Sand Point Way NE, Bldg. 4
Seattle, Washington 98115

The following government agencies will receive copies of final reports relevant to their expertise:

U.S. National Park Service
Channel Islands National Park
1901 Spinnaker Drive
Ventura, California 93001

U.S. National Marine Fisheries Service
Southwest Region
300 South Ferry Street
Terminal Island, California 90731

U.S. National Marine Fisheries Service
Southwest Fisheries Center Library
8604 La Jolla Shores Drive
La Jolla, California 92038

California Department of Fish and Game
330 Golden Shore, Suite 50
Long Beach, California 90802

California State Lands Commission
245 West Broadway, Suite 425
Long Beach, California 90802

U.S. Geological Survey
Library
345 Middlefield Road
Menlo Park, California 94025

U.S. Fish and Wildlife Service
1002 N.E. Holladay
Portland, Oregon 97232-4181

*U.S. GOVERNMENT PRINTING OFFICE: 1991-580-594

As the Nation's principal conservation agency, the Department of the Interior has responsibility for most of our nationally owned public lands and natural resources. This includes fostering the wisest use of our land and water resources, protecting our fish and wildlife, preserving the environmental and cultural values of our national parks and historical places, and providing for the enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to assure that their development is in the best interest of all our people. The Department also has a major responsibility for American Indian reservation communities and for people who live in Island Territories under U.S. Administration.

END

DATE FILMED

10 / 22 / 91